					ST DEPARTMENT DIVISION C		URAL RESC				AMEN	FC IDED REPOR	RM 3			
		AP	PLICATION	FOR PER	RMIT TO DRILL				1	. WELL NAME	and NUMBER THREE RIVE	RS 36-23-7	'20			
2. TYPE O	F WORK	DRILL NEW WELL (REEN	TER P&A WE	ELL DEEPEN	N WELL	i		3	3. FIELD OR WI		DCAT				
4. TYPE OI	WELL	,	Well		ethane Well: NO					5. UNIT or COM	MUNITIZATIO	N AGREEM	ENT NAM	1E		
6. NAME C	F OPERATOR			A ENERGY L					7	7. OPERATOR PHONE 720 746-5200						
8. ADDRES	S OF OPERATO		30 Larimer S	te 400, Den	over, CO, 80202				9	OPERATOR I	E-MAIL rsatre@axi	aenergy.co	m			
	AL LEASE NUM ., INDIAN, OR S				MINERAL OWNERS	SHIP DIAN	STATE () FEE		2. SURFACE O	WNERSHIP INDIAN	STATE	F	EE 💮		
13. NAME	OF SURFACE	OWNER (if box 12 =	1	4. SURFACE C	WNER PHONE	(if box 12	= 'fee')									
15. ADDRI	ESS OF SURFA	CE OWNER (if box	1	6. SURFACE C	WNER E-MAII	_ (if box 12	: = 'fee')									
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES (Submit Commingling Application) NO VERTICAL DIRECTIONAL											AL 📵 F	HORIZON	ΓAL 🔵			
20. LOCATION OF WELL FOOTAGES QTR-QTR SECTION TOWNSHIP RANGE MERIDIAN												ERIDIAN				
LOCATIO	N AT SURFACE			2640 FNL	770 FWL	SW	/NW	36		7.0 S	2	0.0 E		S		
Top of U	ppermost Prod	ucing Zone	2	640 FNL 1	332 FWL	SW	SWNW 36		5	7.0 S 2		20.0 E		S		
At Total	Depth		2	640 FNL 1	332 FWL	SW	MW	36	5	7.0 S	2	0.0 E		S		
21. COUN	TY	UINTAH		22.	22. DISTANCE TO NEAREST LEASE LINE (Feet) 770					3. NUMBER OF		ILLING UN 10	IT			
					DISTANCE TO NEA		eted)	POOL	2	26. PROPOSED		TVD: 901	2			
27. ELEVA	TION - GROUN	D LEVEL 4929		28.	28. BOND NUMBER LPM9046682					29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-2262 - RNI at Green River						
			7		Hole, Casing	g, and Ce	ment Info	rmation								
String	Hole Size	Casing Size	Length	Weigh	t Grade & Th	hread	Max Mu	d Wt.		Cement		Sacks	Yield	Weight		
SURF	11	8.625	0 - 925	32.0	J-55 LT	&C	8.7		Prem	ium Lite High	Strength	75	2.97	11.5		
										Class G		115	1.16	15.8		
PROD	7.875	5.5	0 - 9073	17.0	N-80 LT	Г&С	9.2		Prem	mium Lite High Strength 580 2.31 12.0						
					Α	ATTACHM	MENTS									
	VER	IFY THE FOLLOW	VING ARE	ATTACHE	D IN ACCORDAN	NCE WITH	H THE UTA	H OIL AN	ND GAS (CONSERVATI	ON GENERA	L RULES				
₩	ELL PLAT OR MA	AP PREPARED BY L	ICENSED SU	RVEYOR OR	RENGINEER		№ СОМЕ	PLETE DRII	LLING PL	AN						
AFI	FIDAVIT OF STA	TUS OF SURFACE	OWNER AGR	EEMENT (IF	FEE SURFACE)		FORM	5. IF OPER	RATOR IS	OTHER THAN	THE LEASE OV	/NER				
☑ DIR	ECTIONAL SUF	RVEY PLAN (IF DIRI	ECTIONALLY	OR HORIZO	ONTALLY DRILLED	D) [торо	GRAPHICA	AL MAP							
NAME Do	n Hamilton			TITLE Per	mitting Agent (Buys	s & Associa	ates, Inc)				PHONE 435 7	19-2018				
SIGNATU	RE			DATE 05/	23/2012						EMAIL starpoi	nt@etv.net				
	BER ASSIGNED 047527330	0000		APPROVA	L			B	PM	sqill	*					
								I	Permit l	Manager						

DRILLING PLAN

Axia Energy, LLC
Three Rivers Project
Three Rivers #36-23-720
SWNW Sec 36 T7S R20E
Uintah County, Utah

1. ESTIMATED FORMATION TOPS

FORMATIO	N	TOP (TVD)	COMMENTS
Uinta		Surface	Gas & Degraded Oil; Possible Brackish H ₂ O
Green Rive	r	3,217′	Oil & Associated Gas
Lower Gree	en River*	5,206′	Oil & Associated Gas
Wasatch*		7,012′	Oil & Associated Gas
TD	9,073' (MD)	9,012' (TVD)	

NOTE: Datum, Ground Level (GL) Elevation: 4,929'; Asterisks (*) denotes target pay intervals

A) The State of Utah, Division of Oil, Gas and Mining will be notified within 24 hours of spudding the well.

2. <u>CASING PROGRAM</u>

CASING	HOLE SIZE	DEPTH SET (MD)	CSG SIZE	WGHT	GRD	THRD	CAPACITY (bbl/ft)
CONDUCTOR		50-75	13 3/8				
SURFACE	11	925 ±	8 %	32.0	J-55	LTC	0.0609
PRODUCTION	7 %	9,073′	5 ½	17.0	N-80	LTC	0.0232

NOTE: All casing depth intervals are to surface unless otherwise noted.

Casing Specs

SIZE (in)	ID (in)	DRIFT DIA (in)	COLLAPSE RESISTANCE (psi)	INTERNAL YIELD (psi)	TENSILE YIELD (lbs)	JOINT STRENGTH (lbs)
8 %	7.921	7.796	2,530	3,930	503,000	417,000
5 1/2	4.892	4.767	6,280	7,740	397,000	348,000

^{*}The State of Utah will be notified 24 hours prior to running casing, cementing, and BOPE testing

FLOAT EQUIPMENT

SURFACE (8 %): Float Shoe, 1 JNT Casing, Float Collar

1st 4 Joints: every joint

Centralizers: Remainder: every third joint

PRODUCTION (5 1/2): Float Shoe, 1 JNT Casing, Float Collar

Centralizers: 1st 4 Joints: every joint

Remainder: every third joint 500' into surface casing

NOTE: 5 1/2" 17# N-80 or equivalent marker collar or casing joints will be placed at the top of the Green

River and approximately 400' above the Wasatch.

3. <u>CEMENT PROGRAM</u>

CONDUCTOR (13 3/8): Ready Mix – Cement to surface

SURFACE (8 5/8): Cement Top: Surface

Lead: 75 sks, Premium Lightweight Cmt w/ additives, 11.50 ppg, 2.97

cf/sk, 50% excess

Tail: 115 sks Class G Cement w/ additives, 15.80 ppg, 1.16 cf/sk, 50%

excess

NOTE: The above volumes are based on a gauge-hole + 50% excess.

PRODUCTION (5 1/2): Cement Top – 2,700'

580 sacks – Light Premium Cement w/ additives – 12.0 ppg, 2.31

ft3/sk – 20% excess

NOTE: The above volumes are based on gauge hole + 20%

excess. Adjustments will be made and volumes will be caliper +

10%.

NOTE: The above volumes are based on a gauged-hole. Adjustments will be made based on caliper.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- **B)** Cement will not be placed down annulus with a 1" pipe unless The State of Utah, Division of Oil, Gas and Mining is contacted.
- **c)** The State of Utah will be notified 24 hours prior to running casing and cementing.

4. PRESSURE CONTROL EQUIPMENT

- **A)** The State of Utah, Division of Oil, Gas and Mining will be notified 24 hours prior to all BOPE pressure tests.
- **B)** The BOPE shall be closed whenever the well is unattended.
 - a) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.

- b) Choke Manifold:
 - i) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
 - ii) Two adjustable chokes will be used in the choke manifold.
 - iii) All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
 - iv) Pressure gauges in the well control system will be designed for drilling fluid.

C) BOPE Testing:

- a) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
- b) All BOP tests will be performed with a test plug in place.
- c) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

INTERVAL	BOP EQUIPMENT
0 - 925 ±	11" Diverter with Rotating Head
$925 \pm - TD$	3,000# Ram Double BOP & Annular with Diverter & Rotating Head
NOTE: Drilling spool to	accommodate choke and kill lines.

5. MUD PROGRAM

- **A)** Mud test will be performed at least every 24 hours and after mudding up to determine density, viscosity, gel strength, filtration, and pH.
- **B)** Gas-detecting equipment will be installed and operated in the mud-return system from top of Green River Formation to TD.
 - a) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T's and anchors.

INTERVAL	MUD WGHT	VISC	FLUID LOSS	COMMENTS	
SURF - 925 ±	8.4 – 8.7 ppg	32	NC	Spud Mud	
$925 \pm - TD$	8.6 – 9.2 ppg	40	NC	DAP/Gel	

NOTE: Mud weight increases will be directed by hole conditions.

6. ABNORMAL CONDITIONS

- **A)** No abnormal pressures or temperatures are anticipated.
 - a) Estimated bottom hole pressure at TD will be approximately 3,902 psi (normal pressure gradient: 0.433 psi/ft).
 - b) Estimated maximum surface pressure will be approximately 1,983 psi (estimated bottom hole minus pressure of partially evacuated hole (gradient: 0.220 psi/ft)).
- **B)** No hydrogen sulfide is anticipated.

INTERVAL	CONDITION
SURF - 925 ±	Lost Circulation Possible
925 ± - TD	Lost Circulation Possible

7. AUXILIARY EQUIPMENT

- A) Choke Manifold
- **B)** Upper and lower kelly cock with handle available
- **c)** Stabbing valve
- **D)** Safety valve and subs to fit all string connections in use

8. SURVEY & LOGGING PROGRAMS

- **A)** Cores: None anticipated.
- **B)** Testing: None anticipated.
- C) Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- **D)** Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- **E)** Mud Logs: Computerized 2-person logging unit will catch and describe 10 foot samples from top of Green River Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

9. HAZARDOUS MATERIALS

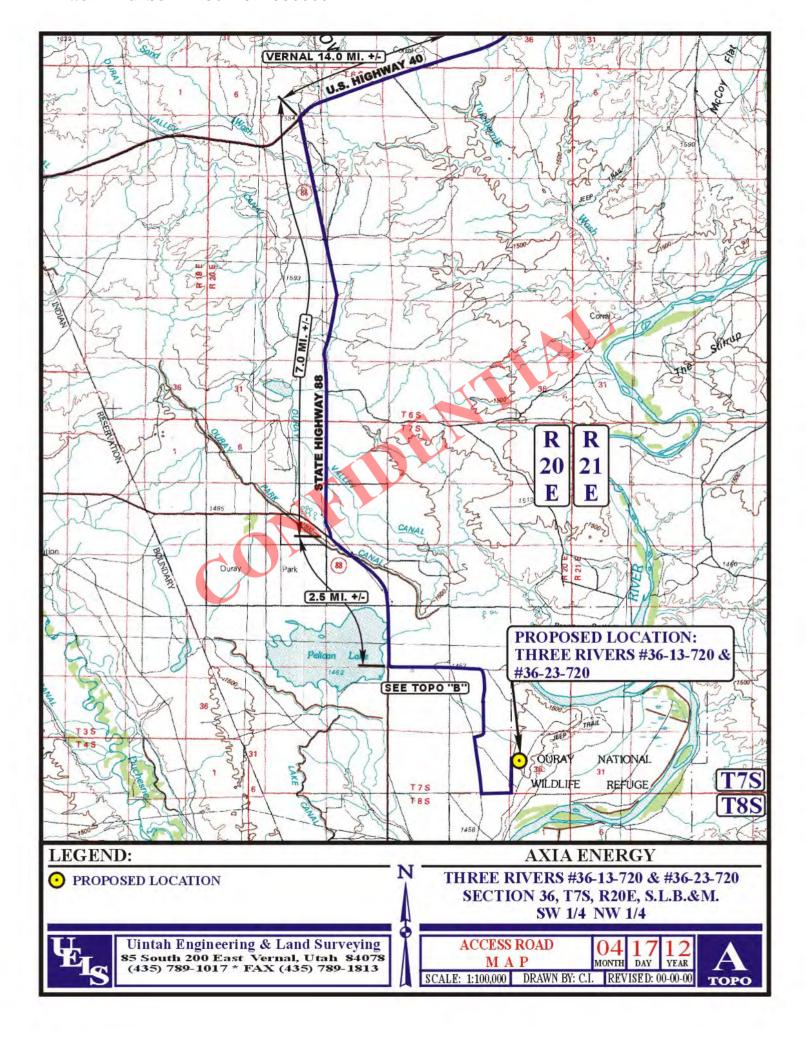
In accordance with Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, no chemicals subject to reporting in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

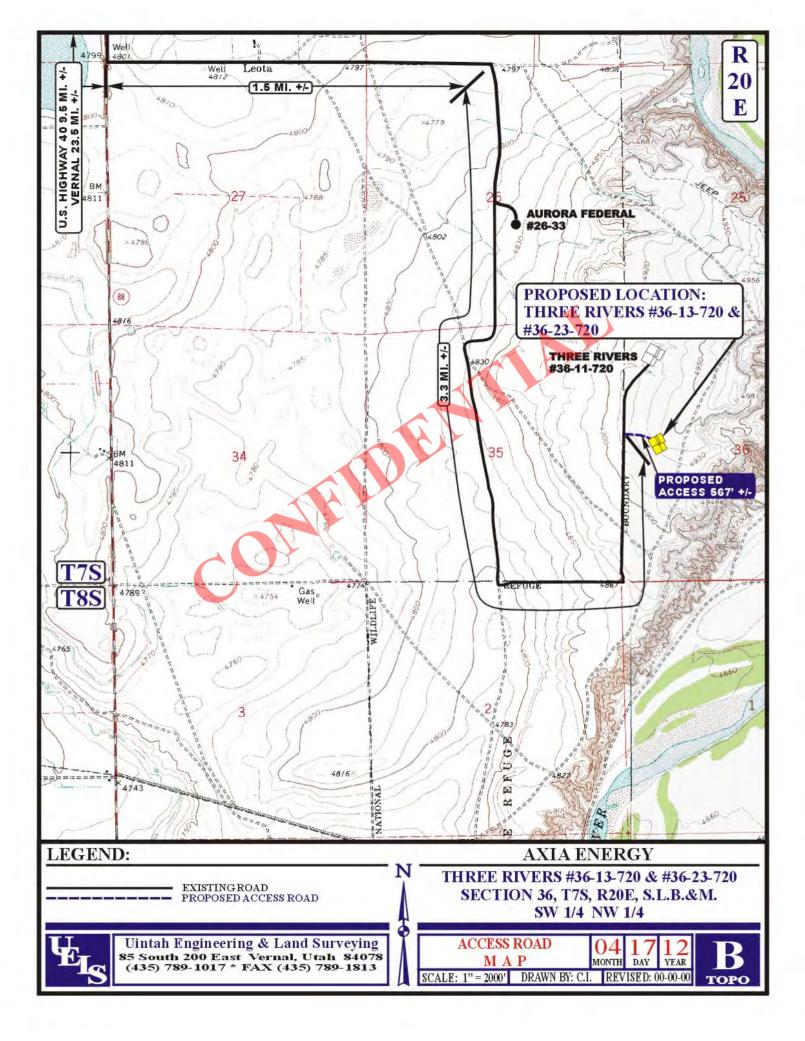
23,

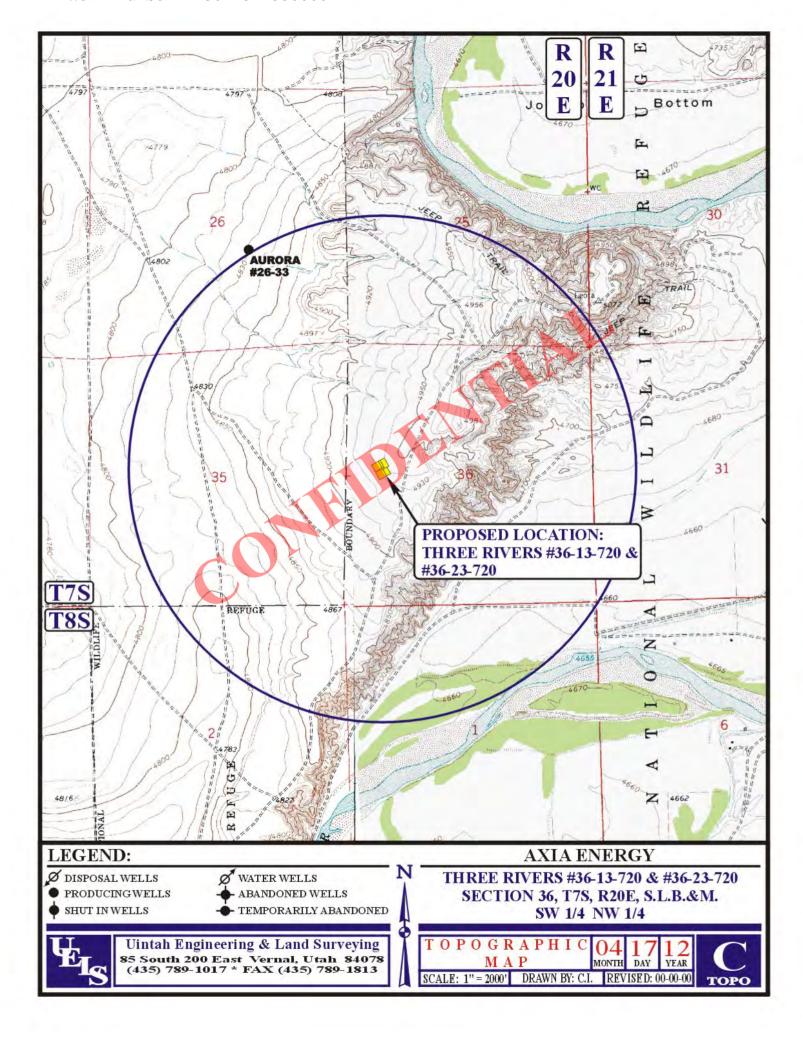
May

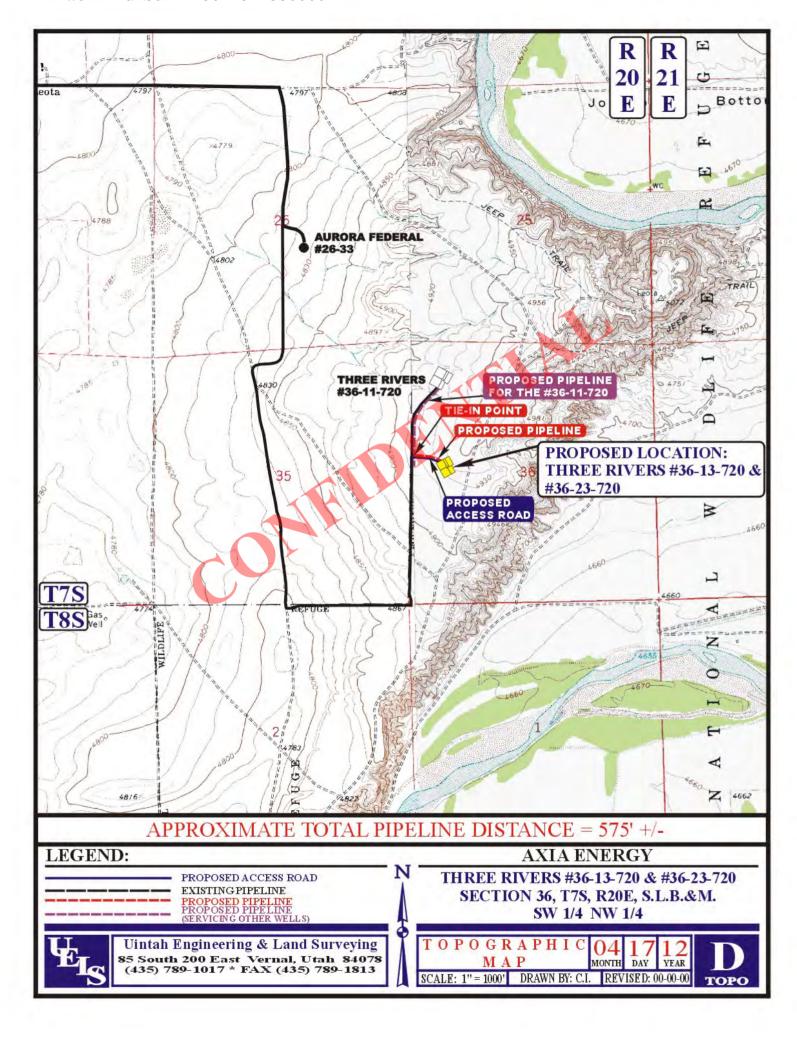
RECEIVED:

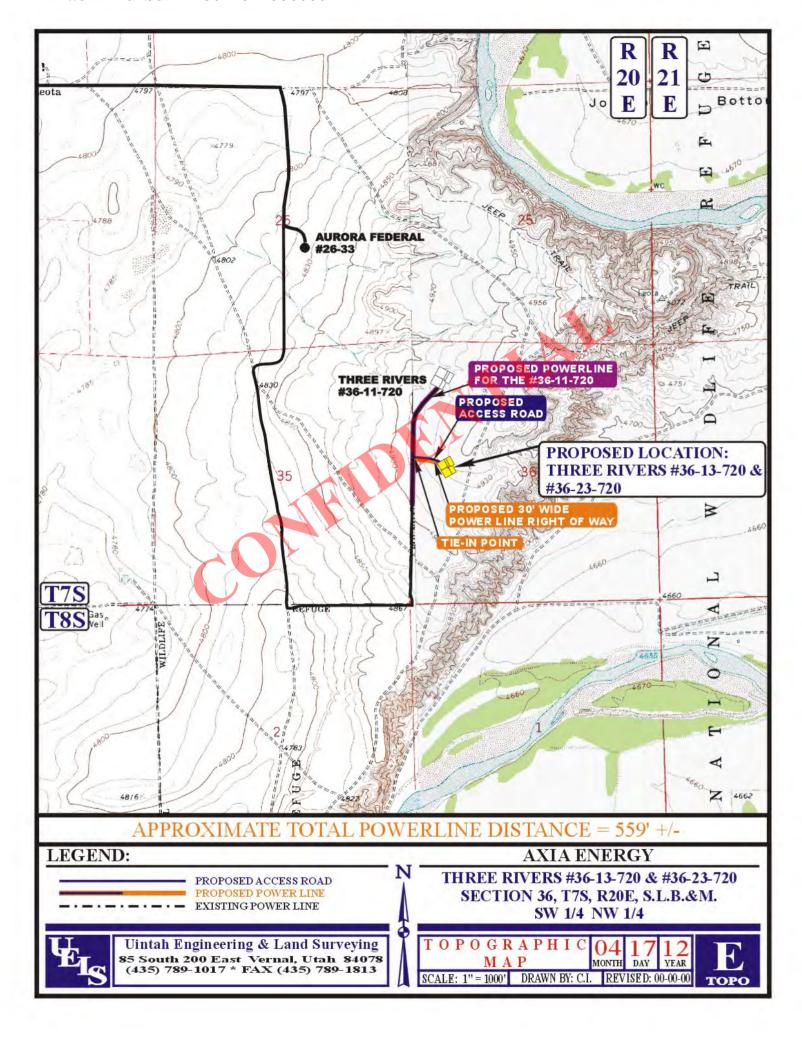
2012











<u>API Well Number: 430475</u>27330000

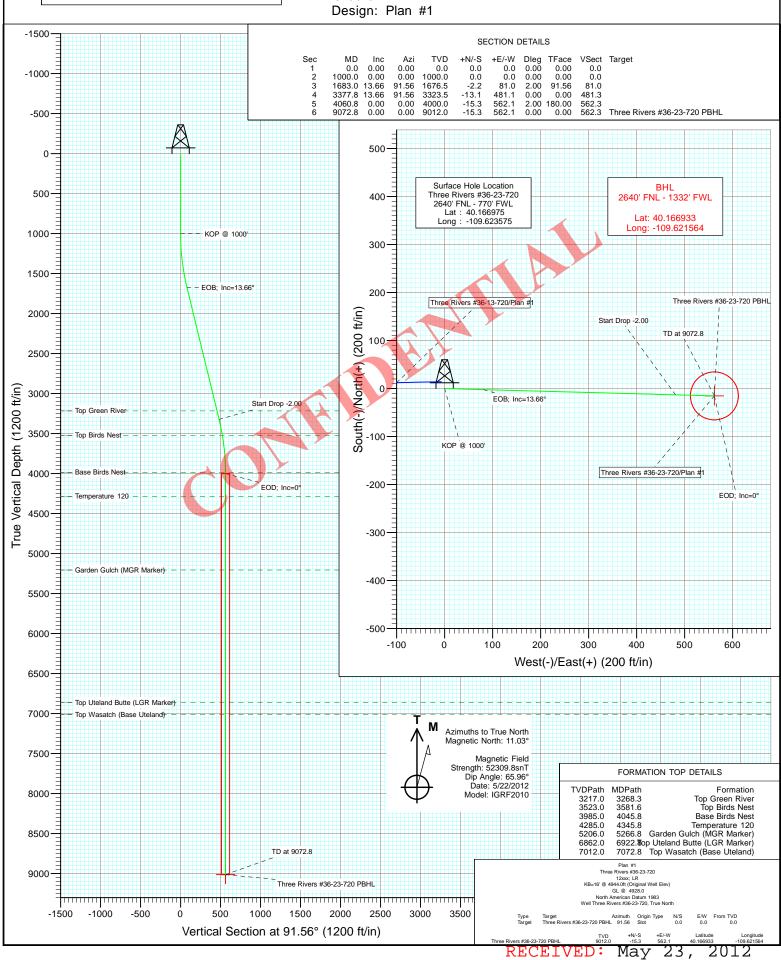
Axia Energy

Project: Uintah County, UT Site: SEC 36-T7S-R20E

Well: Three Rivers #36-23-720

Wellbore: DD Design: Plan #1





Planning Report

USA EDM 5000 Multi Users DB Database:

Company: Axia Energy Project: Uintah County, UT SEC 36-T7S-R20E Site: Well: Three Rivers #36-23-720

Wellbore: DD Plan #1 Design:

Well

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Well Three Rivers #36-23-720

KB=16' @ 4944.0ft (Original Well Elev) KB=16' @ 4944.0ft (Original Well Elev)

Minimum Curvature

Uintah County, UT Project

US State Plane 1983 Map System: North American Datum 1983 Geo Datum: Map Zone: Utah Northern Zone

System Datum:

Mean Sea Level

SEC 36-T7S-R20E Site

Northing: 3,227,982.67 ft Site Position: Latitude: From: Lat/Long Easting: 2,166,000.86 ft Longitude: 0.0 ft **Position Uncertainty:** Slot Radius: 13.200 in

0.0

Grid Convergence:

40.172647 -109.619378 1.24 °

Well Position 0.0 ft Northing: Easting: +E/-W 0.0 ft

Three Rivers #36-23-720

3,225,891.21 ft 2,164,872.72 ft

Latitude: Longitude:

40.166975 -109.623575

0.0 ft **Position Uncertainty** Wellhead Elevation:

4,928.0 ft Ground Level:

91.56

DD Wellbore **Model Name** Declination Dip Angle Field Strength Magnetics Sample Date (°) IGRF2010 5/22/2012 11.03 65.96 52,310

Design Plan #1 **Audit Notes:** 0.0 Version: Phase: **PLAN** Tie On Depth: Vertical Section: +N/-S Depth From (TVD) +E/-W Direction (ft) (ft) (ft) (°)

0.0

0.0

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,683.0	13.66	91.56	1,676.5	-2.2	81.0	2.00	2.00	0.00	91.56	
3,377.8	13.66	91.56	3,323.5	-13.1	481.1	0.00	0.00	0.00	0.00	
4,060.8	0.00	0.00	4,000.0	-15.3	562.1	2.00	-2.00	0.00	180.00	
9,072.8	0.00	0.00	9,012.0	-15.3	562.1	0.00	0.00	0.00	0.00	Three Rivers #36-23-

Planning Report

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Company: Axia Energy
Project: Uintah County, UT
Site: SEC 36-T7S-R20E
Well: Three Rivers #36-23-720

Wellbore: DD Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Three Rivers #36-23-720

KB=16' @ 4944.0ft (Original Well Elev) KB=16' @ 4944.0ft (Original Well Elev)

rue

Minimum Curvature

nned Surve	у								
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0 300.0	0.00 0.00	0.00 0.00	200.0 300.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00		KOP @ 1000'
1,100.0 1,200.0	2.00 4.00	91.56 91.56	1,100.0 1,199.8	0.0 -0.2	1.7 7.0	1.7 7.0	2.00 2.00	2.00 2.00	
1,300.0	6.00	91.56	1,199.5	-0.2	15.7	15.7	2.00	2.00	
1,400.0	8.00	91.56	1,398.7	-0.8	27.9	27.9	2.00	2.00	
1,500.0	10.00	91.56	1,497.5	-1.2	43.5	43.5	2.00	2.00	
1,600.0	12.00	91.56	1,595.6	-1.7	62.6	62.6	2.00	2.00	
1,683.0	13.66	91.56	1,676.5	-2. 2 -2.3	81.0	81.0	2.00	2.00 0.00	EOB; Inc=13.66°
1,700.0 1,800.0	13.66 13.66	91.56 91.56	1,693.1 1,790.2	-3.0	85.0 108.6	85.0 108.7	0.00 0.00	0.00	
1,900.0	13.66	91.56	1,887.4	-3.6	132.2	132.3	0.00	0.00	
2,000.0	13.66	91.56	1,984.6	-4.2	155.8	155.9	0.00	0.00	
2,100.0	13.66	91.56	2,081.8	-4.9	179.4	179.5	0.00	0.00	
2,200.0	13.66	91.56	2,178.9	-5.5	203.1	203.1	0.00	0.00	
2,300.0	13.66	91.56	2,276.1	-6.2	226.7	226.7	0.00	0.00	
2,400.0 2,500.0	13.66 13.66	91.56 91.56	2,373.3 2,470.4	-6.8	250.3 273.9	250.4 274.0	0.00 0.00	0.00 0.00	
2,600.0	13.66	91.56	2,567.6	-7.4 -8.1	297.5	274.0	0.00	0.00	
2,700.0	13.66	91.56	2,664.8	-8.7	321.1	321.2	0.00	0.00	
2,800.0	13.66	91.56	2,762.0	-9.4	344.7	344.8	0.00	0.00	
2,900.0	13.66	91.56	2,859.1	-10.0	368.3	368.4	0.00	0.00	
3,000.0	13.66	91.56	2,956.3	-10.7	391.9	392.1	0.00	0.00	
3,100.0 3,200.0	13.66 13.66	91.56 91.56	3,053.5 3,150.6	-11.3 -11.9	415.5 439.1	415.7 439.3	0.00 0.00	0.00 0.00	
3,268.3	13.66	91.56	3,217.0	-12.4	455.2	455.4	0.00		Top Green River
3,300.0	13.66	91.56	3,247.8	-12.6	462.7	462.9	0.00	0.00	
3,377.8	13.66	91.56	3,323.5	-13.1	481.1	481.3	0.00		Start Drop -2.00
3,400.0	13.22	91.56	3,345.0	-13.2	486.3	486.4	2.00	-2.00	
3,500.0 3,581.6	11.22 9.58	91.56 91.56	3,442.7 3,523.0	-13.8 -14.2	507.4 522.1	507.6 522.3	2.00 2.00	-2.00 -2.00	Top Birds Nest
3,600.0	9.22	91.56	3,541.1	-14.3	525.1	525.3	2.00	-2.00	
3,700.0	7.22	91.56	3,640.1	-14.3 -14.7	539.4	525.5	2.00	-2.00 -2.00	
3,800.0	5.22	91.56	3,739.5	-15.0	550.2	550.5	2.00	-2.00	
3,900.0	3.22	91.56	3,839.2	-15.2	557.6	557.8	2.00	-2.00	
4,000.0	1.22	91.56	3,939.2	-15.3	561.5	561.7	2.00	-2.00	
4,045.8	0.30	91.56	3,985.0	-15.3	562.1	562.3	2.00		Base Birds Nest EOD; Inc=0°
4,060.8 4,100.0	0.00 0.00	0.00 0.00	4,000.0 4,039.2	-15.3 -15.3	562.1 562.1	562.3 562.3	2.00 0.00	-2.00 0.00	EOD, IIIC=U
4,200.0	0.00	0.00	4,139.2	-15.3	562.1	562.3	0.00	0.00	
4,300.0	0.00	0.00	4,239.2	-15.3	562.1	562.3	0.00	0.00	
4,345.8	0.00	0.00	4,285.0	-15.3	562.1	562.3	0.00		Temperature 120
4,400.0	0.00	0.00	4,339.2	-15.3	562.1	562.3	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 36-T7S-R20E
Well: Three Rivers #36-23-720

Wellbore: DD Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Three Rivers #36-23-720

KB=16' @ 4944.0ft (Original Well Elev) KB=16' @ 4944.0ft (Original Well Elev)

True

Minimum Curvature

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,500.0	0.00	0.00	4,439.2	-15.3	562.1	562.3	0.00	0.00	
4,600.0	0.00	0.00	4,539.2	-15.3	562.1	562.3	0.00	0.00	
4,700.0	0.00	0.00	4,639.2	-15.3	562.1	562.3	0.00	0.00	
4,800.0	0.00	0.00	4,739.2	-15.3	562.1	562.3	0.00	0.00	
4,800.0	0.00	0.00	4,739.2	-15.3 -15.3	562.1 562.1	562.3	0.00	0.00	
5,000.0	0.00	0.00	4,939.2	-15.3	562.1	562.3	0.00	0.00	
5,100.0	0.00	0.00	5,039.2	-15.3	562.1	562.3	0.00	0.00	
5,200.0	0.00	0.00	5,139.2	-15.3	562.1	562.3	0.00	0.00	
5,266.8	0.00	0.00	5,206.0	-15.3	562.1	562.3	0.00	0.00	Garden Gulch (MGR Marker)
5,300.0	0.00	0.00	5,239.2	-15.3	562.1	562.3	0.00	0.00	
5,400.0	0.00	0.00	5,339.2	-15.3	562.1	562.3	0.00	0.00	
5,500.0	0.00	0.00	5,439.2	-15.3	562.1	562.3	0.00	0.00	
5,600.0	0.00	0.00	5,539.2	-15.3	562.1	562.3	0.00	0.00	
5,700.0	0.00	0.00	5,639.2	-15.3	562.1	562.3	0.00	0.00	
5,800.0	0.00	0.00	5,739.2	-15.3	562.1	562.3	0.00	0.00	
5,900.0	0.00	0.00	5,839.2	-15.3		562.3	0.00	0.00	
6,000.0	0.00	0.00	5,939.2	-15.3	562.1	562.3	0.00	0.00	
6,100.0	0.00	0.00	6,039.2	-15.3	562.1	562.3	0.00	0.00	
				_ / _					
6,200.0	0.00	0.00	6,139.2	-15.3	562.1	562.3	0.00	0.00	
6,300.0	0.00	0.00	6,239.2	-15.3	562.1	562.3	0.00	0.00	
6,400.0	0.00	0.00	6,339.2	-15.3	562.1	562.3	0.00	0.00	
6,500.0 6,600.0	0.00 0.00	0.00 0.00	6,439.2 6,539.2	-15.3 -15.3	562.1 562.1	562.3 562.3	0.00 0.00	0.00 0.00	
6,700.0	0.00	0.00	6,639.2	-15.3	562.1	562.3	0.00	0.00	
6,800.0	0.00	0.00	6,739.2	-15.3	562.1	562.3	0.00	0.00	
6,900.0	0.00	0.00	6,839.2	-15.3	562.1	562.3	0.00	0.00	
6,922.8	0.00	0.00	6,862.0	-15.3	562.1	562.3	0.00	0.00	Top Uteland Butte (LGR Marker)
7,000.0	0.00	0.00	6,939.2	-15.3	562.1	562.3	0.00	0.00	,
7,072.8	0.00	0.00	7,012.0	-15.3	562.1	562.3	0.00	0.00	Top Wasatch (Base Uteland)
7,072.0	0.00	0.00	7,012.0	-15.3	562.1	562.3	0.00	0.00	Top Wasatch (Base Oteland)
7,100.0	0.00	0.00	7,039.2	-15.3	562.1	562.3	0.00	0.00	
7,300.0	0.00	0.00	7,139.2	-15.3	562.1	562.3	0.00	0.00	
7,400.0	0.00	0.00	7,339.2	-15.3	562.1	562.3	0.00	0.00	
7,500.0	0.00	0.00	7,439.2	-15.3	562.1	562.3	0.00	0.00	
7,600.0	0.00	0.00	7,539.2	-15.3	562.1	562.3	0.00	0.00	
7,700.0	0.00	0.00	7,639.2	-15.3	562.1	562.3	0.00	0.00	
7,800.0	0.00	0.00	7,739.2	-15.3	562.1	562.3	0.00	0.00	
7,900.0	0.00	0.00	7,839.2	-15.3	562.1	562.3	0.00	0.00	
8,000.0	0.00	0.00	7,939.2	-15.3	562.1	562.3	0.00	0.00	
8,100.0	0.00	0.00	8,039.2	-15.3	562.1	562.3	0.00	0.00	
8,200.0	0.00	0.00	8,139.2	-15.3	562.1	562.3	0.00	0.00	
8,300.0	0.00	0.00	8,239.2	-15.3	562.1	562.3	0.00	0.00	
8,400.0	0.00	0.00	8,339.2	-15.3	562.1	562.3	0.00	0.00	
8,500.0	0.00	0.00	8,439.2	-15.3	562.1	562.3	0.00	0.00	
8,600.0	0.00	0.00	8,539.2	-15.3	562.1	562.3	0.00	0.00	
8,700.0	0.00	0.00	8,639.2	-15.3 -15.3	562.1 562.1	562.3	0.00	0.00	
8,800.0	0.00	0.00	8,739.2	-15.3 -15.3	562.1	562.3	0.00	0.00	
8,900.0	0.00	0.00	8,839.2	-15.3	562.1	562.3	0.00	0.00	
9,000.0	0.00	0.00	8,939.2	-15.3	562.1	562.3	0.00	0.00	
9,072.8	0.00	0.00	9,012.0	-15.3	562.1	562.3	0.00	0.00	TD at 9072.8 - Three Rivers #36-23-720 I

Planning Report

Database: USA EDM 5000 Multi Users DB

Company: Axia Energy
Project: Uintah County, UT
Site: SEC 36-T7S-R20E
Well: Three Rivers #36-23-720

Wellbore: DD
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Three Rivers #36-23-720

KB=16' @ 4944.0ft (Original Well Elev) KB=16' @ 4944.0ft (Original Well Elev)

True

Minimum Curvature

Targets										
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
Three Rivers #36-23-720 - plan hits target cen - Circle (radius 50.0)		0.00	9,012.0	-15.3	562.1	3,225,888.07	2,165,435.03	40.166933	-109.621564	

Formations								
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dij (°)	-	Dip Direction (°)	
	3,268.3	3,217.0	Top Green River					
	3,581.6	3,523.0	Top Birds Nest					
	4,045.8	3,985.0	Base Birds Nest					
	4,345.8	4,285.0	Temperature 120					
	5,266.8	5,206.0	Garden Gulch (MGR Marker)					
	6,922.8	6,862.0	Top Uteland Butte (LGR Marker)					
	7,072.8	7,012.0	Top Wasatch (Base Uteland)					

Plan Annotat	tions					
	Measured Depth	Vertical Depth	Local Coord	inates +E/-W		
	(ft)	(ft)	(ft)	(ft)	Comment	
	1,000.0	1,000.0	0.0	0.0	KOP @ 1000'	
	1,683.0	1,676.5	-2.2	81.0	EOB; Inc=13.66°	
	3,377.8	3,323.5	-13.1	481.1	Start Drop -2.00	
	4,060.8	4,000.0	-15.3	562.1	EOD; Inc=0°	
	9,072.8	9,012.0	-15.3	562.1	TD at 9072.8	

Axia Energy

Uintah County, UT SEC 36-T7S-R20E Three Rivers #36-23-720 DD Plan #1

Anticollision Report

22 May, 2012

Cathedral Energy Services

Anticollision Report

TVD Reference:

MD Reference:

Company: Axia Energy
Project: Uintah County, UT
Reference Site: SEC 36-T7S-R20E

Site Error: 0.

Reference Well: Three Rivers #36-23-720

Well Error: 0.0ft
Reference Wellbore DD
Reference Design: Plan #1

Local Co-ordinate Reference:

Well Three Rivers #36-23-720 KB=16' @ 4944.0ft (Original Well Elev) KB=16' @ 4944.0ft (Original Well Elev)

North Reference: True

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Reference Plan #1

Filter type: GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference

Interpolation Method: MD Interval 100.0ft Error Model: ISCWSA

 Depth Range:
 Unlimited
 Scan Method:
 Closest Approach 3D

 Results Limited by:
 Maximum center-center distance of 1,107.3ft
 Error Surface:
 Elliptical Conic

 Warning Levels Evaluated at:
 2.00 Sigma

 Survey Tool Program
 Date
 5/22/2012

 From (ft)
 To (ft)
 Survey (Wellbore)
 Tool Name
 Description

 0.0
 9,072.8 Plan #1 (DD)
 MWD
 Geolink MWD

Summary Reference Offset Distance Measured Measured Between Between Separation Warning Site Name Centres Ellipses Depth Depth Factor Offset Well - Wellbore - Design (ft) (ft) (ft) (ft) SEC 36-T7S-R20E Three Rivers #36-13-720 - DD - Plan #1 1,000.0 1,000.0 15.8 12.4 4.610 CC, ES, SF

Anticollision Report

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 36-T7S-R20E

Site Error:

Reference Well: Three Rivers #36-23-720

Well Error: 0.0ft Reference Wellbore DD Reference Design: Plan #1 Local Co-ordinate Reference:

Well Three Rivers #36-23-720 TVD Reference: KB=16' @ 4944.0ft (Original Well Elev) MD Reference: KB=16' @ 4944.0ft (Original Well Elev)

North Reference:

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Offset Des	sian	SEC 36	-T7S-R20	E - Three F	Rivers #36	S-13-720 - D	D - Plan #1						Offset Site Error:	0.0 ft
Survey Progr	_						2						Offset Well Error:	0.0 ft
Refere	ence	Offse		Semi Major					Dista	nce				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-26.19	14.2	-7.0	15.8	45.5	1 0.00	5 4.004		
100.0	100.0	100.0	100.0	0.1	0.1	-26.19	14.2	-7.0	15.8	15.5	0.29	54.004		
200.0	200.0	200.0	200.0	0.3	0.3	-26.19	14.2	-7.0	15.8	15.2	0.64	24.654		
300.0	300.0	300.0	300.0	0.5	0.5	-26.19	14.2	-7.0	15.8	14.8		15.973		
400.0	400.0	400.0	400.0	0.7	0.7	-26.19	14.2	-7.0 7.0	15.8	14.5	1.34	11.813		
500.0	500.0	500.0	500.0	0.8	0.8	-26.19	14.2	-7.0	15.8	14.1	1.69	9.373		
600.0	600.0	600.0	600.0	1.0	1.0	-26.19	14.2	-7.0	15.8	13.8	2.04	7.768		
700.0	700.0	700.0	700.0	1.2	1.2	-26.19	14.2	-7.0	15.8	13.4	2.39	6.632		
800.0	800.0	800.0	800.0	1.4	1.4	-26.19	14.2	-7.0	15.8	13.1	2.74	5.786		
900.0	900.0	900.0	900.0	1.5	1.5	-26.19	14.2	-7.0	15.8	12.7	3.09	5.132		
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-26.19	14.2	-7.0	15.8	12.4	3.43		C, ES, SF	
1,000.0	1,000.0	1,000.0	1,000.0	1.7	1.7	-20.19	14.2	-1.0	13.0	12.4	3.43	4.010 C	0, 20, 0	
1,100.0	1,100.0	1,099.6	1,099.6	1.9	1.9	-127.86	14.2	-8.7	17.7	13.9	3.78	4.667		
1,200.0	1,199.8	1,198.6	1,198.4	2.1	2.1	-146.99	14.1	-13.9	25.3	21.2	4.13	6.123		
1,300.0	1,299.5	1,296.1	1,295.5	2.3	2.3	-160.59	13.9	-22.3	40.8	36.3	4.47	9.122		
1,400.0	1,398.7	1,393.0	1,391.8	2.5	2.5	-167.93	13.7	-33.0	63.0	58.2	4.80	13.128		
1,500.0	1,497.5	1,489.4	1,487.6	2.7	2.7	-171,76	13.5	-43.9	89.1	84.0	5.12	17.416		
		,		•	1					- ·-				
1,600.0	1,595.6	1,584.8	1,582.4	3.1	2.9	-174.02	13.2	-54.6	118.8	113.4	5.43	21.878		
1,700.0	1,693.1	1,679.1	1,676.1	3.4	3.1	-175.48	13.0	-65.2	151.9	146.2	5.74	26.449		
1,800.0	1,790.2	1,773.0	1,769.4	3.8	3.3	-176.48	12.8	-75.7	186.2	180.1	6.08	30.634		
1,900.0	1,887.4	1,866.9	1,862.7	4.2	3.6	-177.17	12.6	-86.3	220.5	214.1	6.41	34.387		
2,000.0	1,984.6	1,960.8	1,956.0	4.6	3.8	-177.67	12.4	-96.8	254.8	248.1	6.75	37.772		
					7									
2,100.0	2,081.8	2,054.7	2,0 <mark>49</mark> .4	5.0	4.0	-178.05	12.2	-107.4	289.2	282.1	7.08	40.839		
2,200.0	2,178.9	2,148.6	2,142.7	5.4	4.2	-178.35	11.9	-117.9	323.5	316.1	7.41	43.631		
2,300.0	2,276.1	2,242.5	2,236.0	5.8	4.5	-178.60	11.7	-128.5	357.9	350.1	7.75	46.184		
2,400.0	2,373.3	2,336.4	2,329.3	6.3	4.7	-178.80	11.5	-139.0	392.2	384.1	8.08	48.527		
2,500.0	2,470.4	2,430.3	2,422.6	6.7	4.9	-178.97	11.3	-149.6	426.6	418.2	8.42	50.684		
2,600.0	2,567.6	2,524.2	2,515.9	7.1	5.2	-179.11	11.1	-160.1	460.9	452.2	8.75	52.677		
2,700.0	2,664.8	2,618.1	2,609.2	7.6	5.4	-179.23	10.9	-170.7	495.3	486.2	9.08	54.524		
2,800.0	2,762.0	2,712.0	2,702.5	8.0	5.7	-179.34	10.7	-181.2	529.7	520.3	9.42	56.241		
2,900.0	2,859.1	2,805.9	2,795.8	8.5	5.9	-179.43	10.4	-191.8	564.0	554.3	9.75	57.840		
3,000.0	2,956.3	2,899.8	2,889.1	8.9	6.1	-179.52	10.2	-202.4	598.4	588.3	10.09	59.334		
3,100.0	3,053.5	2,993.7	2,982.5	9.3	6.4	-179.59	10.0	-212.9	632.8	622.4	10.42	60.732		
3,200.0	3,150.6	3,087.6	3,075.8	9.8	6.6	-179.66	9.8	-223.5	667.1	656.4	10.75	62.044		
3,300.0	3,247.8	3,181.5	3,169.1	10.2	6.9	-179.72	9.6	-234.0	701.5	690.4	11.09	63.276		
3,400.0	3,345.0	3,275.5	3,262.4	10.7	7.1	-179.78	9.4	-244.6	735.8	724.4	11.43	64.365		
3,500.0	3,442.7	3,370.2	3,356.5	11.1	7.4	-179.83	9.1	-255.2	767.8	756.0	11.81	64.989		
3,600.0	3,541.1	3,466.0	3,451.7	11.4	7.6	-179.87	8.9	-266.0	796.5	784.3	12.19	65.331		
3,700.0	3,640.1	3,562.7	3,547.9	11.7	7.9	-179.92	8.7	-276.8	821.8	809.2	12.56	65.419		
3,800.0	3,739.5	3,660.3	3,644.8	11.9	8.1	-179.95	8.5	-287.8	843.7	830.8	12.93	65.275		
3,900.0	3,839.2	3,786.4	3,770.3	12.1	8.4	-180.00	8.2	-300.5	861.2	847.8	13.33	64.606		
4,000.0	3,939.2	3,929.0	3,912.6	12.2	8.7	179.98	8.1	-308.4	870.6	856.8	13.75	63.296		
4,100.0	4,039.2	4,055.5	4,039.2	12.3	8.8	-88.47	8.0	-309.7	872.1	858.0	14.15	61.656		
4,200.0	4,139.2	4,155.5	4,139.2	12.4	9.0	-88.47	8.0	-309.7	872.1	857.6	14.49	60.168		
4,300.0	4,239.2	4,255.5	4,239.2	12.5	9.1	-88.47	8.0	-309.7	872.1	857.3	14.84	58.750		
4,400.0	4,339.2	4,355.5	4,339.2	12.6	9.3	-88.47	8.0	-309.7	872.1	856.9	15.19	57.398		
4,500.0	4,439.2	4,455.5	4,439.2	12.7	9.4	-88.47	8.0	-309.7	872.1	856.6	15.54	56.106		
4,600.0	4,539.2	4,555.5	4,539.2	12.8	9.5	-88.47	8.0	-309.7	872.1	856.2	15.89	54.872		
4,700.0	4,639.2	4,655.5	4,639.2	13.0	9.7	-88.47	8.0	-309.7	872.1	855.9	16.24	53.690		
4,800.0	4,739.2	4,755.5	4,739.2	13.1	9.8	-88.47	8.0	-309.7	872.1	855.5	16.59	52.559		
4,900.0	4,839.2	4,855.5	4,839.2	13.2	10.0	-88.47	8.0	-309.7	872.1	855.2	16.94	51.474		
5,000.0	4,939.2	4,955.5	4,939.2	13.3	10.1	-88.47	8.0	-309.7	872.1	854.8	17.29	50.433		
5,100.0	5,039.2	5,055.5	5,039.2	13.4	10.3	-88.47	8.0	-309.7	872.1	854.5	17.64	49.434		

Anticollision Report

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 36-T7S-R20E

Site Error:

Reference Well: Three Rivers #36-23-720

Well Error: 0.0ft Reference Wellbore DD Reference Design: Plan #1 Local Co-ordinate Reference:

Well Three Rivers #36-23-720 TVD Reference: KB=16' @ 4944.0ft (Original Well Elev) MD Reference: KB=16' @ 4944.0ft (Original Well Elev)

North Reference:

Survey Calculation Method: Minimum Curvature

Output errors are at 2.00 sigma

Database: USA EDM 5000 Multi Users DB

Offset TVD Reference: Offset Datum

Offset De	•		-T7S-R20	E - Three R	tivers #36	6-13-720 - D	D - Plan #1						Offset Site Error:	0.0 f
urvey Progr Refer		WD Offse	t	Semi Major	Axis				Dista	ance			Offset Well Error:	0.0 f
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbor	e Centre	Between	Between	Total	Separation	Warning	
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Uncertainty	Factor	······································	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	Axis			
5,200.0	5,139.2	5,155.5	5,139.2	13.5	10.4	-88.47	8.0	-309.7	872.1	854.1	17.99	48.474		
5,300.0	5,239.2	5,255.5	5,239.2	13.6	10.6	-88.47	8.0	-309.7	872.1	853.8	18.34	47.550		
5,400.0	5,339.2	5,355.5	5,339.2	13.8	10.7	-88.47	8.0	-309.7	872.1	853.4	18.69	46.660		
5,500.0	5,439.2	5,455.5	5,439.2	13.9	10.9	-88.47	8.0	-309.7	872.1	853.1	19.04	45.804		
5,600.0	5,539.2	5,555.5	5,539.2	14.0	11.0	-88.47	8.0	-309.7	872.1	852.7	19.39	44.978		
5,700.0	5,639.2	5,655.5	5,639.2	14.1	11.2	-88.47	8.0	-309.7	872.1	852.4	19.74	44.182		
5,800.0	5,739.2	5,755.5	5,739.2	14.2	11.3	-88.47	8.0	-309.7	872.1	852.0	20.09	43.413		
5,900.0	5,839.2	5,855.5	5,839.2	14.4	11.5	-88.47	8.0	-309.7	872.1	851.7	20.44	42.671		
6,000.0	5,939.2	5,955.5	5,939.2	14.5	11.7	-88.47	8.0	-309.7	872.1	851.3		41.954		
6,100.0	6,039.2	6,055.5	6,039.2	14.6	11.8	-88.47	8.0	-309.7	872.1	851.0		41.260		
6,200.0	6,139.2	6,155.5	6,139.2	14.7	12.0	-88.47	8.0	-309.7	872.1	850.6		40.589		
								L. L						
6,300.0	6,239.2	6,255.5	6,239.2	14.9	12.1	-88.47	8.0	-309.7	872.1	850.3		39.940		
6,400.0	6,339.2	6,355.5	6,339.2	15.0	12.3	-88.47	8.0	-309.7	872.1	849.9		39.311		
6,500.0	6,439.2	6,455.5	6,439.2	15.1	12.4	-88.47	8.0	-309.7	872.1	849.6		38.701		
6,600.0	6,539.2	6,555.5	6,539.2	15.3	12.6	-88.47	8.0	-309.7	872.1	849.2		38.110		
6,700.0	6,639.2	6,655.5	6,639.2	15.4	12.7	-88.47	8.0	-309.7	872.1	848.9	23.23	37.537		
6,800.0	6,739.2	6,755.5	6,739.2	15.5	12.9	-88,47	8.0	-309.7	872.1	848.5	23.58	36.981		
6,900.0	6,839.2	6,855.5	6,839.2	15.7	13.1	-88.47	8.0	-309.7	872.1	848.2	23.93	36.441		
7,000.0	6,939.2	6,955.5	6,939.2	15.8	13.2	-88.47	8.0	-309.7	872.1	847.8	24.28	35.917		
7,100.0	7,039.2	7,055.5	7,039.2	15.9	13.4	-88.47	8.0	-309.7	872.1	847.5	24.63	35.408		
7,200.0	7,139.2	7,155.5	7,139.2	16.1	13.5	-88.47	8.0	-309.7	872.1	847.1	24.98	34.912		
7.000.0	7.000.0	7.055.5	7.000		10.7	00.47		200 7	070.4	242.0	05.00	04.404		
7,300.0	7,239.2	7,255.5	7,239.2	16.2	13.7	-88.47	8.0	-309.7	872.1	846.8		34.431		
7,400.0	7,339.2	7,355.5	7,339.2	16.3	13.9	-88.47	8.0	-309.7	872.1	846.4		33.963		
7,500.0	7,439.2	7,455.5	7,439.2	16.5	14.0	-88.47	8.0	-309.7	872.1	846.1	26.03	33.507		
7,600.0	7,539.2	7,555.5	7,539.2	16.6	14.2	-88.47	8.0	-309.7	872.1	845.7	26.38	33.063		
7,700.0	7,639.2	7,655.5	7,639.2	16.8	14.4	-88.47	8.0	-309.7	872.1	845.4	26.73	32.631		
7,800.0	7,739.2	7,755.5	7,739.2	16.9	14.5	-88.47	8.0	-309.7	872.1	845.1	27.08	32.210		
7,900.0	7,839.2	7,855.5	7,839.2	17.0	14.7	-88.47	8.0	-309.7	872.1	844.7	27.43	31.800		
8,000.0	7,939.2	7,955.5	7,939.2	17.2	14.8	-88.47	8.0	-309.7	872.1	844.4	27.77	31.400		
8,100.0	8,039.2	8,055.5	8,039.2	17.3	15.0	-88.47	8.0	-309.7	872.1	844.0	28.12	31.010		
8,200.0	8,139.2	8,155.5	8,139.2	17.5	15.2	-88.47	8.0	-309.7	872.1	843.7	28.47	30.630		
8,300.0	8,239.2	8,255.5	8,239.2	17.6	15.3	-88.47	8.0	-309.7	872.1	843.3	28.82	30.258		
8,400.0	8,339.2	8,355.5	8,339.2	17.0	15.5	-88.47	8.0	-309.7	872.1	843.0		29.896		
8,500.0	8,439.2	8,455.5	8,439.2	17.7	15.7	-88.47	8.0	-309.7	872.1	842.6		29.542		
8,600.0	8,539.2	8,555.5	8,539.2	18.0	15.7	-88.47	8.0	-309.7	872.1	842.3		29.197		
8,700.0	8,639.2	8,655.5	8,639.2	18.2	16.0	-88.47	8.0	-309.7	872.1	841.9		28.860		
.,	-,	-,	-,											
8,800.0	8,739.2	8,755.5	8,739.2	18.3	16.2	-88.47	8.0	-309.7	872.1	841.6		28.530		
8,900.0	8,839.2	8,855.5	8,839.2	18.5	16.3	-88.47	8.0	-309.7	872.1	841.2		28.208		
9,000.0	8,939.2	8,955.5	8,939.2	18.6	16.5	-88.47	8.0	-309.7	872.1	840.9	31.27	27.893		
9,072.8	9,012.0	9,028.4	9,012.0	18.7	16.6	-88.47	8.0	-309.7	872.1	840.6	31.52	27.667		

Anticollision Report

Company: Axia Energy Project: Uintah County, UT Reference Site: SEC 36-T7S-R20E

Site Error:

Reference Well: Three Rivers #36-23-720

Well Error: Reference Wellbore DD Reference Design: Plan #1

0.0ft

Reference Depths are relative to KB=16' @ 4944.0ft (Original Well Elev

Offset Depths are relative to Offset Datum

Central Meridian is -111.500000°

Local Co-ordinate Reference:

Well Three Rivers #36-23-720 TVD Reference: KB=16' @ 4944.0ft (Original Well Elev) MD Reference: KB=16' @ 4944.0ft (Original Well Elev)

North Reference:

Survey Calculation Method: Minimum Curvature

2.00 sigma Output errors are at

USA EDM 5000 Multi Users DB Database:

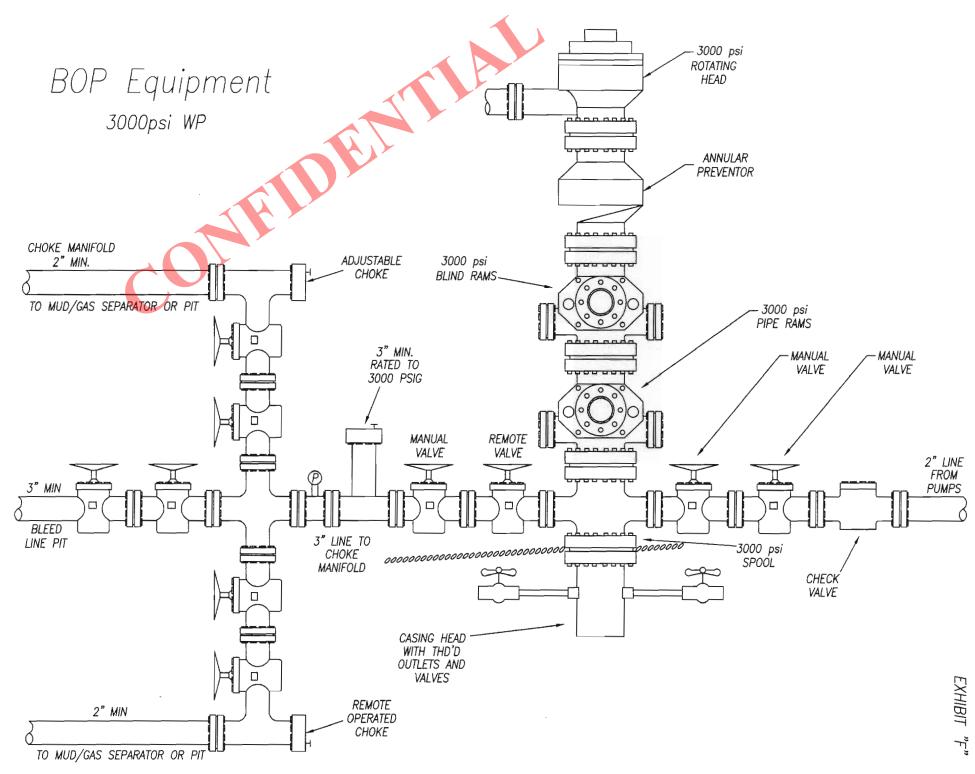
Offset TVD Reference: Offset Datum

Coordinates are relative to: Three Rivers #36-23-720

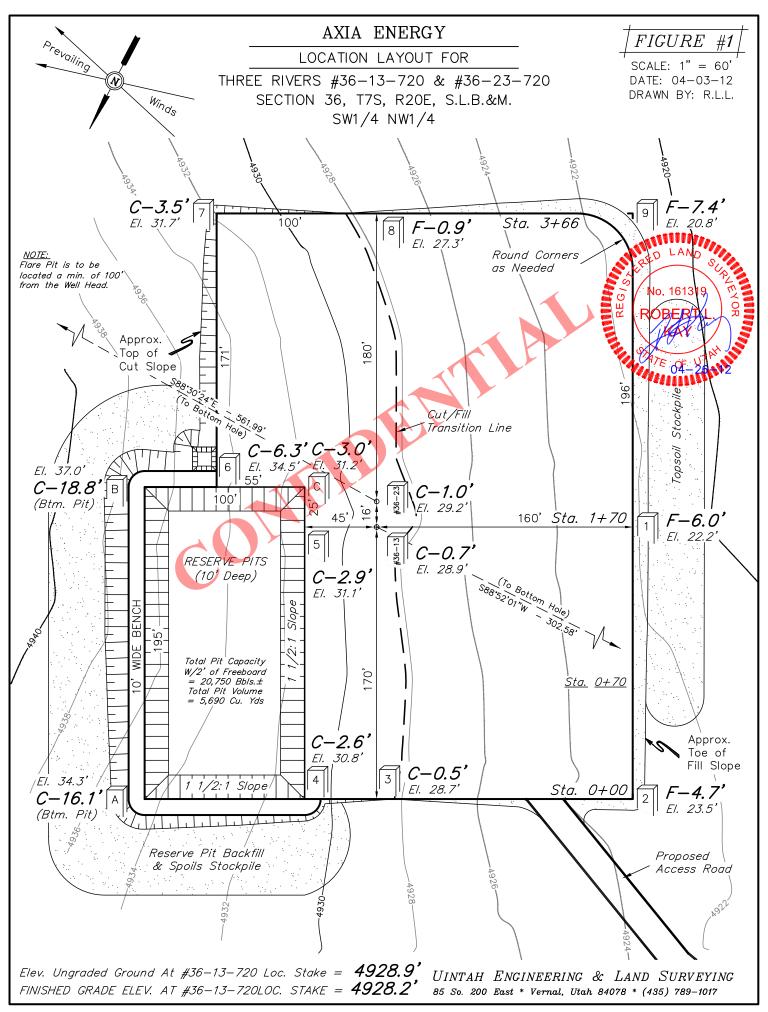
Coordinate System is US State Plane 1983, Utah Northern Zone

Grid Convergence at Surface is: 1.24°

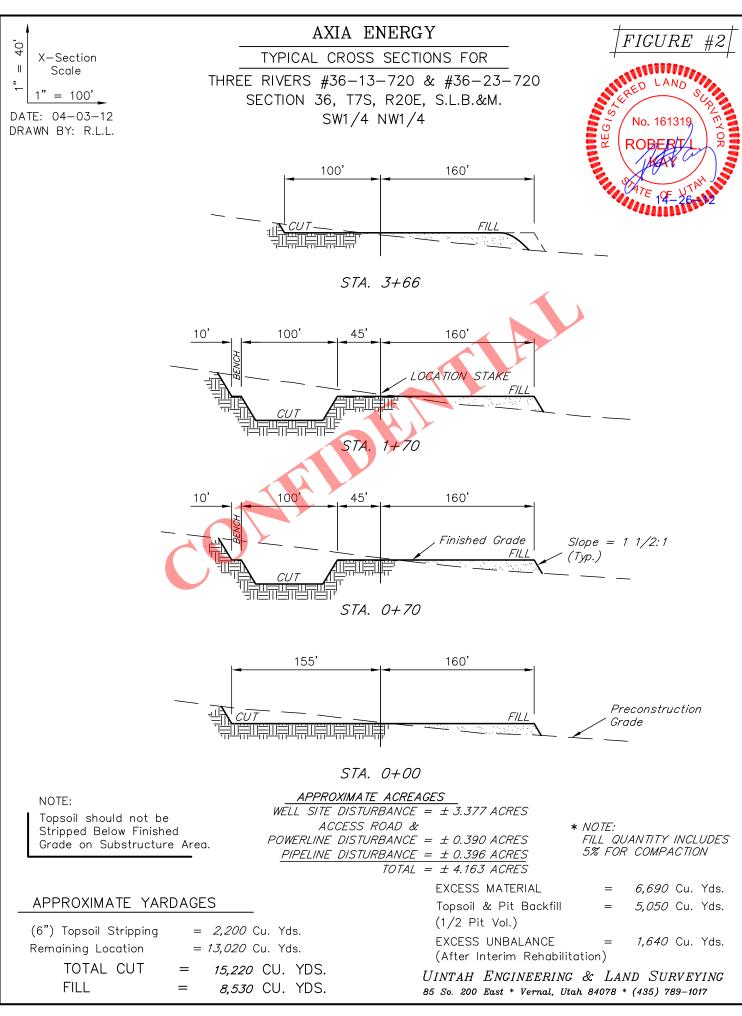


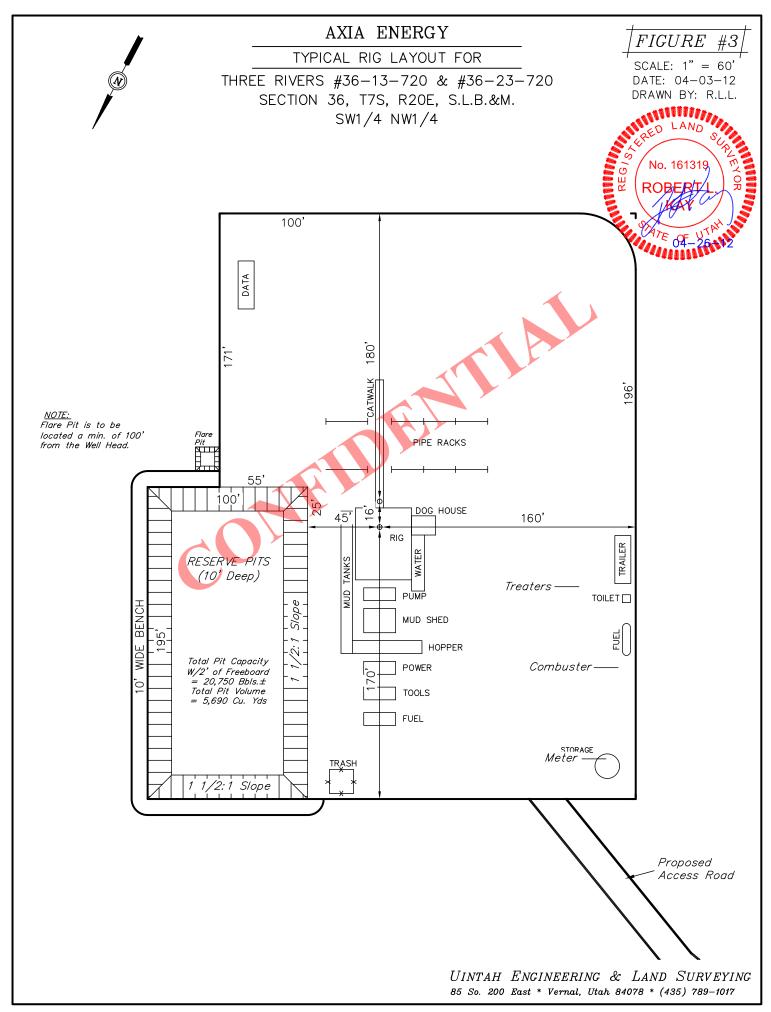


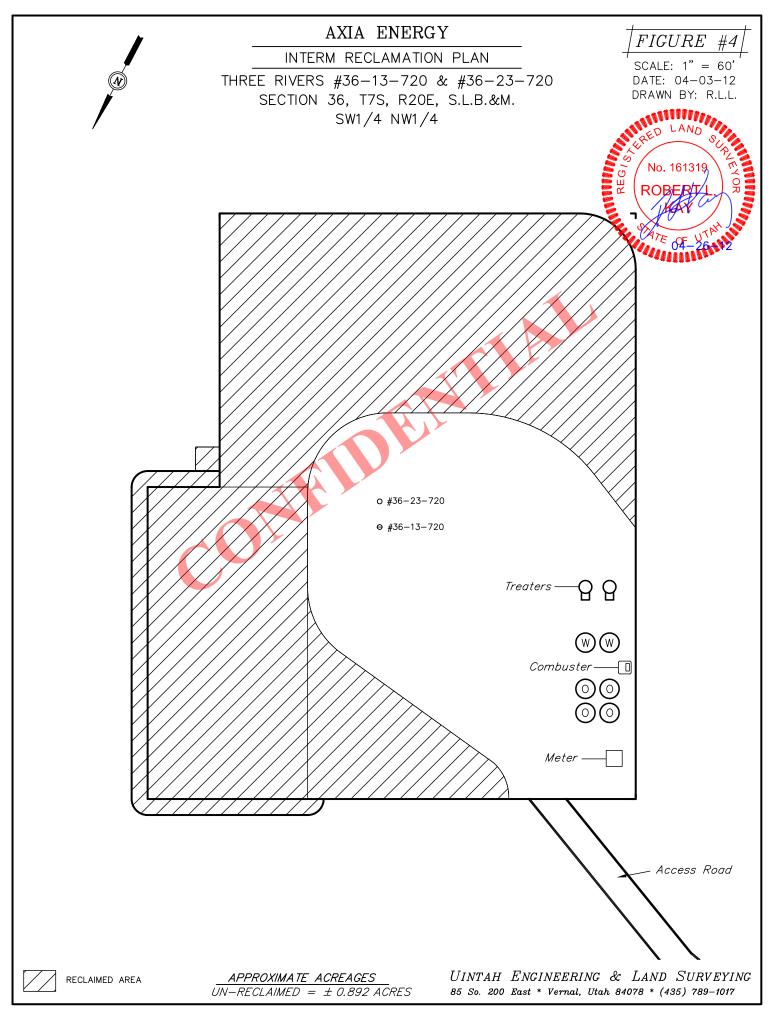
RECEIVED: May 23, 2012

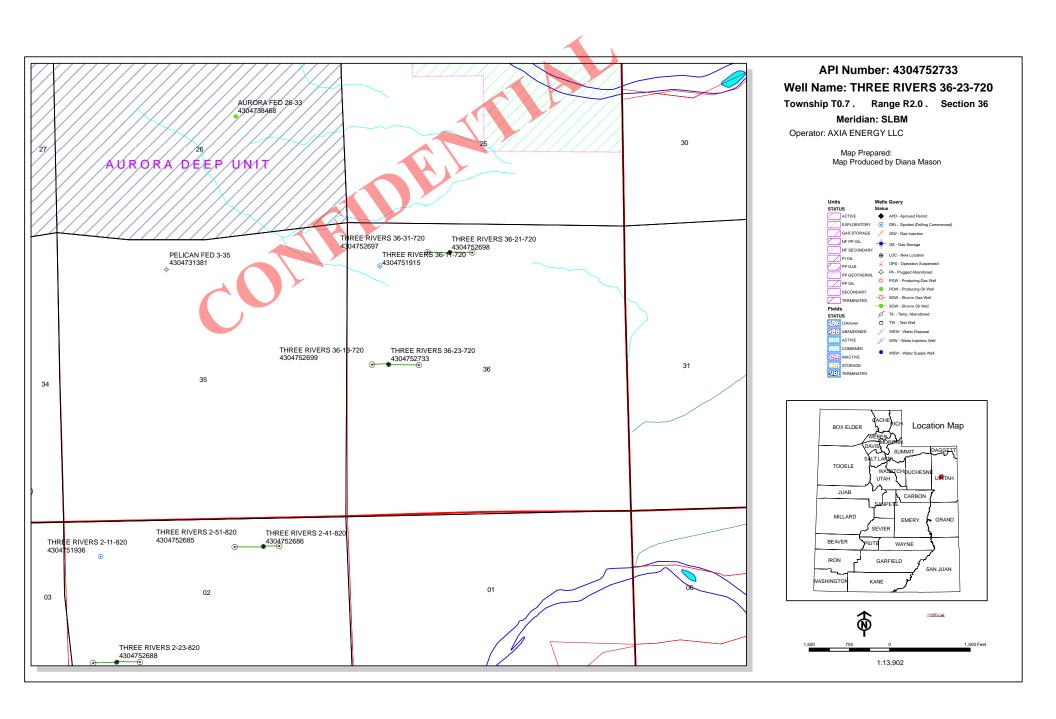


RECEIVED: May 23, 2012









From: Jim Davis

To: Hill, Brad; Mason, Diana

CC: Bonner, Ed; Davis, Jim; Garrison, LaVonne; Jess Peonio <ipeonio@axiae...

Date: 8/17/2012 9:44 AM **Subject:** APD approvals 10 for Axia

The following APDs have been approved by SITLA including arch clearance. The paleo reports made some fairly specific recommendations on these pads. I've summarized those recommendations here. Axia should know that all the recommendations in the paleo reports are now made conditions of SITLA's approval of these APDs. If there are any questions about what the recommendations mean, please contact me before construction.

THREE RIVERS 2-23-820 (4304752688) THREE RIVERS 2-13-820 (4304752687)

Paleo condition: No recommendations unless Uintah Fm is impacted.

THREE RIVERS 2-41-820, (4304752686) THREE RIVERS 2-51-820, (4304752685)

Paleo condition: Spot-check during pit const. Upgrade to full-time monitoring if bedrock is impacted.

THREE RIVERS 2-15-820, (4304752689) THREE RIVERS 2-25-820, (4304752690)

Paleo condition: No recommendations unless Uintah Fm is impacted.

THREE RIVERS 36-31-720, (4304752697) THREE RIVERS 36-21-720, (4304752698)

Paleo condition: Full-time monitoring during construction

THREE RIVERS 36-13-720, (4304752699) THREE RIVERS 36-23-720, (4304752733)

Paleo condition: Spot check during construction. Upgrade to full-time monitoring if Duchesne River Fm is

impacted.

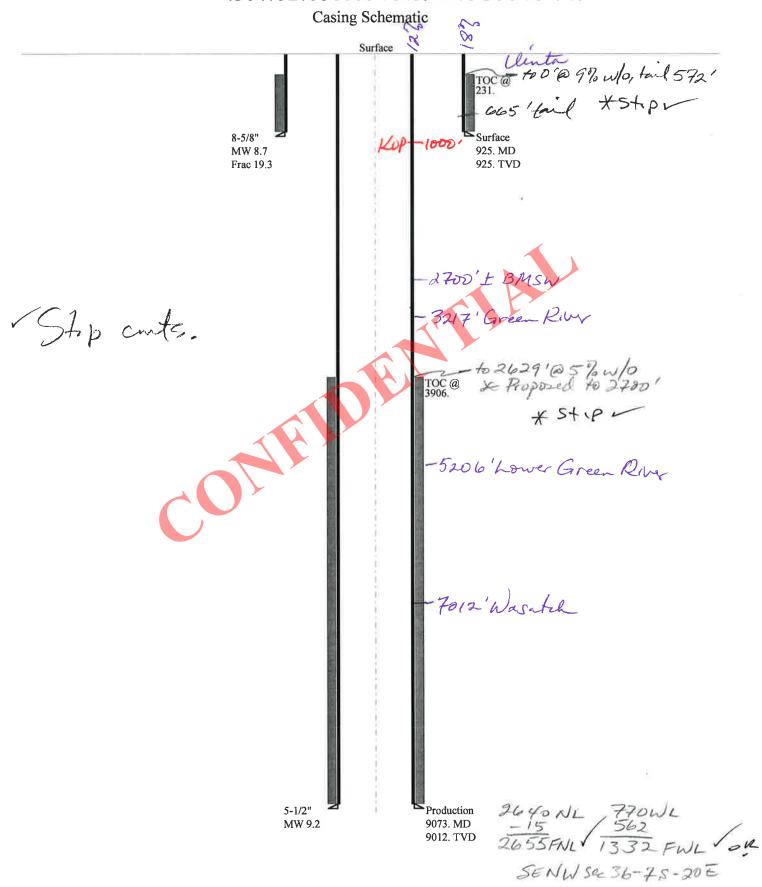
Thanks.
-Jim

Jim Davis Utah Trust Lands Administration jimdavis1@utah.gov Phone: (801) 538-5156

BOPE REVIEW AXIA ENERGY LLC THREE RIVERS 36-23-720 43047527330000

Well Name		AXIA ENERGY L	LC THREE RIVE	RS 36-2	23-720 4304	1752	7330000	<u> </u>
String		SURF	PROD			T		
Casing Size(")		8.625	5.500			Ť		Ħ
Setting Depth (TVD)		925	9073	F		Ť		
Previous Shoe Setting Dept	h (TVD)	0	925	F		Ť		<u>-</u>
Max Mud Weight (ppg)		8.7	9.2	F		Ť		- -
BOPE Proposed (psi)		1000	3000	F		Ť		-
Casing Internal Yield (psi)		3930	7740	惿		Ť		-
Operators Max Anticipated	Pressure (psi)	3902	8.3	H		Ť		취
		1,5002	Į			11-		-1
Calculations	SURF Str				_	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=				n*MW=	41	8	
MASD (C) (N. PWP (6.12.2 1. P. 1.				N = = 41x \	_		BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)= Max BHP-(0.22*Setting Depth)=					30		YES
MASP (Gas/Mud) (psi)		Мах ВН	.P-(0.22*Sett	ing L	Depth)=	21	5	YES OK
Pressure At Previous Shoe	May BHD 22*/9	latting Danth	Dravious C	hoc F)anth)-	_	-	*Can Full Expected Pressure Be Held At Previous Shoe?
		betting Deptin	- Previous S	noe L	еріп)=	21		NO OK
Required Casing/BOPE Tes						92	5	psi
*Max Pressure Allowed @	Previous Casing	Shoe=				0		psi *Assumes 1psi/ft frac gradient
Calculations		PROD Str	ring				5.500	"
Max BHP (psi)		.0)52*Setting I	Depth	*MW=	43	41	
					7	-		BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*Sett	ing [epth)=	32	52	NO
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Sett	ing [Depth)=	23	45	YES OK
						1=0		*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(S	Setting Depth	- Previous S	hoe I	Depth)=	25	48	NO Reasonable
Required Casing/BOPE Te	st Pressure=					30	00	psi
*Max Pressure Allowed @	Previous Casing	Shoe=				92	5	psi *Assumes 1psi/ft frac gradient
						-		
Calculations		String				_		"
Max BHP (psi)		.0)52*Setting I	Depth	n*MW=			
MACD (C) ()		M DII	D (0.12*C-44	: r	N = = 41x \	_		BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)			P-(0.12*Sett		-	_		NO
MASP (Gas/Mud) (psi)		мах вн	P-(0.22*Sett	ing L	Depth)=			NO PUE ALD PULLAR SERVICE
Pressure At Previous Shoe	May BHD 22*(S	latting Danth	Pravious S	hoe T	lanth)-	_		*Can Full Expected Pressure Be Held At Previous Shoe?
		betting Deptin	- Flevious 5	noe i	Jepin)_	<u> </u>		NO
Required Casing/BOPE Tes		G)				_		psi
*Max Pressure Allowed @	Previous Casing	Shoe=						psi *Assumes 1psi/ft frac gradient
Calculations		String	<u> </u>					lu l
Max BHP (psi)		.0)52*Setting I	Depth	*MW=	П		
								BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		Max BH	P-(0.12*Sett	ing I	Depth)=			NO
MASP (Gas/Mud) (psi)		Max BH	P-(0.22*Sett	ing I	Depth)=			NO
								*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe Max BHP22*(Setting Depth - Previous Shoe Depth)=								NO
Required Casing/BOPE Tes	st Pressure=							psi
*Max Pressure Allowed @	Previous Casing	Shoe=						psi *Assumes 1psi/ft frac gradient
						1-		L

43047527330000 Three Rivers 36-23-720



Well name:

43047527330000 Three Rivers 36-23-720

Operator:

Axia Energy LLC

String type:

Surface

Project ID:

43-047-52733

Location:

UINTAH COUNTY

> **Environment:** Minimum design factors:

Collapse Collapse:

Mud weight: 8.700 ppg Design factor 1.125

H2S considered?

No 74 °F

Design is based on evacuated pipe.

Surface temperature: Bottom hole temperature: 87 °F

Temperature gradient:

1.40 °F/100ft

Minimum section length:

100 ft

Burst: Design factor

1.00

Cement top:

231 ft

Burst

Max anticipated surface pressure:

Design parameters:

814 psi 0.120 psi/ft

Tension: 8 Round STC:

Body yield:

1.80 (J) 1.70 (J) Non-directional string.

Internal gradient: Calculated BHP

No backup mud specified.

925 psi

8 Round LTC:

Buttress: Premium:

1.60 (J) 1.50 (J)

1.50 (B)

Tension is based on air weight. Neutral point: 805 ft Re subsequent strings:

Next setting depth: Next mud weight:

9,011 ft 9.200 ppg 4,307 psi

Next setting BHP: Fracture mud wt: Fracture depth: Injection pressure:

19.250 ppg 925 ft 925 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	925	8.625	32.00	J-55	LT&C	925	925	7.875	7454
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(kips)	(kips)	Factor
1	418	2530	6.052	925	3930	4.25	29.6	417	14.09 J

Prepared by:

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 10,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 925 ft, a mud weight of 8.7 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

43047527330000 Three Rivers 36-23-720

Operator:

Axia Energy LLC

String type:

Production

Project ID:

Location:

UINTAH COUNTY 43-047-52733

Design parameters:

Collapse

Mud weight: Design is based on evacuated pipe. Minimum design factors: Collapse:

Design factor

Environment:

Cement top:

153.2

H2S considered? Surface temperature: Bottom hole temperature:

No 74 °F 200 °F

Temperature gradient:

1.40 °F/100ft

1.125

1.00

1.80 (J)

1.80 (J)

1.60 (J)

1.50 (J)

1.60 (B)

1.80

Minimum section length:

100 ft

3,906 ft

Burst

Max anticipated surface pressure:

Internal gradient: Calculated BHP

2.324 psi 0.220 psi/ft

9.200 ppg

4,307 psi

Tension:

<u>Burst:</u>

Design factor

8 Round STC: 8 Round LTC: Buttress:

Premium: Body yield:

4307

Directional Info - Build & Drop

Kick-off point Departure at shoe: Maximum dogleg: Inclination at shoe: 1000 ft 563 ft 2 °/100ft 0 °

2.27 J

No backup mud specified.

Tension is based on air weight. 7,816 ft Neutral point:

Run Sea	Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Est. Cost	
1	(ft) 9073	(in) 5.5	(lbs/ft) 17.00	N-80	LT&C	(ft) 9012	(ft) 9073	(in) 4.767	(\$) 51139	
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor	

7740

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

6290

1.460

Phone: 801 538-5357 FAX: 801-359-3940

Date: August 10,2012 Salt Lake City, Utah

348

1

4307

Collapse is based on a vertical depth of 9012 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a



2580 Creekview Road Moab, Utah 84532 435/719-2018

August 21, 2012

Mrs. Diana Mason State of Utah Division of Oil Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

RE: Request for Exception to Spacing – Axia Energy, LLC – **Three Rivers Federal 36-23-720**Surface Location: 2640' FNL & 770' FWL, SW/4 NW/4, Section 36, T7S, R20E,
Target Location: 2640' FNL & 1332' FWL, SW/4 NW/4, Section 36, T7S, R20E,
SLB&M, Uintah County, Utah

Dear Diana:

Axia Energy, LLC respectfully submits this request for exception to spacing (R649-3-11) based on geology since the well is located less than 460 feet to the drilling unit boundary. Axia Energy, LLC is the only owner and operator within 460 feet of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact Jess A. Peonio of Axia Energy, LLC at 720-746-5212 or myself should you have any questions or need additional information.

Sincerely,

Don Hamilton Agent for Axia Energy, LLC

cc: Jess A. Peonio, Axia Energy, LLC

RECEIVED: August 28, 2012

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator AXIA ENERGY LLC

Well Name THREE RIVERS 36-23-720

API Number 43047527330000 **APD No** 6039 **Field/Unit** WILDCAT **Location: 1/4,1/4** SWNW **Sec** 36 **Tw** 7.0S **Rng** 20.0E 2640 FNL 770 FWL

GPS Coord (UTM) 617207 4447199 Surface Owner

Participants

Cody Rich (UELS), Dan Schaad (USF&W), Ben Williams (DWR), Don Hamilton (Starpoint), Jerry Holder (Axia), Jim Davis (SITLA), Richard Powell (DOGM)

Regional/Local Setting & Topography

This location sits approximately 2 miles south east of Pelican Lake and approximately 1 mile north of the Green River. The site is 10.5 miles south of the junction of Highways 40 and 88. The land around this location slopes west and north toward Pelican Lake.

Surface Use Plan

Current Surface Use

Wildlfe Habitat

New Road
Miles

Well Pad

Src Const Material Surface Formation

0.11 Width 260 Length 366 Onsite #####

Ancillary Facilities N

Waste Management Plan Adequate?

Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Could support passing use by large grazing animals. Horse brush, galletta grass, spiny hopsage, russian thistle

Soil Type and Characteristics

Sandy clay soil

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

RECEIVED: August 29, 2012

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site Ran	king	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	High permeability	20	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	50	1 Sensitivity Level

Characteristics / Requirements

The reserve pit at proposed is 195' x 100' x 10' deep. A 20 mil liner will be used as discussed during the presite due to the permeable soil. The pit is placed in a cut stable position.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 20 Pit Underlayment Required? Y

Other Observations / Comments

This is a 2 well pad for the Three Rivers 36-13-720 and 36-23-720.

Richard Powell 6/13/2012

Evaluator Date / Time

RECEIVED: August 29, 2012

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo					Status	Well Type		Surf Owner	CBM		
6039	43047527330000				I	LOCKED	OW		S	No		
Operator	AXIA EN	ERG'	Y LLC	2			Surface Owner-APD					
Well Name	THREE	RIVE	RS 3	6-23-7	20		Unit					
Field	WILDCA	Т					Type of W	ork	DRILL			
Location	SWNW	36	7S	20E	S	2640 FNL	770 FWL	GPS Coord				
	(UTM)	617	212E	444	719	9N						

Geologic Statement of Basis

Axia proposes to set 925 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 2,700 feet. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 36. Wells in the area are listed for EOR makeup water, and stock watering. Depths are listed for only 2 wells at 40 and 70 feet. Listed wells probably produce from the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production easing cement should be brought up to or above the base of the moderately saline ground water in order to isolate it from fresher water uphole.

Brad Hill

APD Evaluator

7/10/2012 **Date / Time**

Surface Statement of Basis

This well is on SITLA owned surface but with a lease agreement with the US Fish and Wildlife Service which places the land under wildlife refuge management. SITLA land owner representative Jim Davis and USFW representative Dan Schaad were both in attendance of this onsite inspection and both representatives stated that they were satisfied with the placement of this well and had no particular concerns with the location.

The well sits on very permeable sandy soil and use of a 20 mil liner was agreed to. Paint color of tanks, and production equipment was discussed and Mr. Jerry Holder of Axia agreed to make sure all paint colors matched and the color Covert Green which is a common oil field equipment paint finish was agreed to.

Richard Powell 6/13/2012
Onsite Evaluator Date / Time

Conditions of Approval / Application for Permit to Drill

Category Condition

Pits A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed

and maintained in the reserve pit.

Surface The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: August 29, 2012

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/23/2012

WELL NAME: THREE RIVERS 36-23-720 **OPERATOR: AXIA ENERGY LLC (N3765)**

CONTACT: Don Hamilton

PROPOSED LOCATION: SWNW 36 070S 200E

SURFACE: 2640 FNL 0770 FWL

BOTTOM: 2640 FNL 1332 FWL

COUNTY: UINTAH LATITUDE: 40.16699

UTM SURF EASTINGS: 617212.00 FIELD NAME: WILDCAT

> LEASE TYPE: 3 - State LEASE NUMBER: ML-50510

SURFACE OWNER: 3 - State

API NO. ASSIGNED: 43047527330000

PHONE NUMBER: 435 719-2018

Permit Tech Review:

Engineering Review:

Geology Review:

LONGITUDE: -109.62350 NORTHINGS: 4447199.00

PROPOSED PRODUCING FORMATION(S): WASATCH

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

✓ PLAT

Bond: STATE - LPM9046682

Potash

Oil Shale 190-5

Oil Shale 190-3

Oil Shale 190-13

Water Permit: 49-2262 - RNI at Green River

RDCC Review:

Fee Surface Agreement

Intent to Commingle

Commingling Approved

LOCATION AND SITING:

R649-2-3.

Unit:

R649-3-2. General

R649-3-3. Exception

Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

R649-3-11. Directional Drill

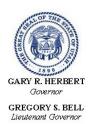
Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason

5 - Statement of Basis - bhill

10 - Cement Ground Water - hmacdonald

15 - Directional - dmason 23 - Spacing - dmason 25 - Surface Casing - hmacdonald



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: THREE RIVERS 36-23-720

API Well Number: 43047527330000

Lease Number: ML-50510 Surface Owner: STATE Approval Date: 8/29/2012

Issued to:

AXIA ENERGY LLC, 1430 Larimer Ste 400, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 5 ½" casing string cement shall be brought back to ± 2500 ' to isolate base of moderately saline ground water.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

• Entity Action Form (Form 6) - due within 5 days of spudding the well

- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas **Sundry Number: 30010 API Well Number: 43047527330000**

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING 5.LEASE DESIGNATION AND SERIAL NUMBER ML-50510	STATE OF UTAH				
ML-30510	D				
SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	SUNDRY NOTICES AND REPORTS ON WELLS				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION				
1. TYPE OF WELL Oil Well 8. WELL NAME and NUMBER: THREE RIVERS 36-23-720					
2. NAME OF OPERATOR: 9. API NUMBER: AXIA ENERGY LLC 43047527330000					
3. ADDRESS OF OPERATOR: PHONE NUMBER: 9. FIELD and POOL or WILDCAT: 1430 Larimer Ste 400, Denver, CO, 80202 720 746-5200 Ext WILDCAT					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL	TAGES AT SURFACE:				
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 36 Township: 07.0S Range: 20.0E Meridian: S UTAH	A/QTR, SECTION, TOWNSHI				
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	CHECK				
TYPE OF SUBMISSION TYPE OF ACTION	PE OF SUBMISSION				
✓ NOTICE OF INTENT	OTICE OF INTENT				
Approximate date work will start: CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME	roximate date work will start:				
CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIONS CONVERT WELL TYPE	10,10,2012				
SUBSEQUENT REPORT Date of Work Completion: DEEPEN FRACTURE TREAT NEW CONSTRUCTION					
OPERATOR CHANGE UPLUG AND ABANDON PLUG BACK					
PRODUCTION START OR RESUME RECLAMATION OF WELL SITE RECOMPLETE DIFFERENT FORMATION	PUD REPORT				
Date of Spud: REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARY ABANDON	Date of Spud:				
TUBING REPAIR VENT OR FLARE WATER DISPOSAL					
DRILLING REPORT WATER SHUTOFF SI TA STATUS EXTENSION APD EXTENSION Report Date:					
WILDCAT WELL DETERMINATION OTHER OTHER:					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. CHANGE SURFACE CASING FROM 8-5/8" 32.00# J-55 LTC TO 8-5/8" 24.00# J-55 STC CHANGE PRODUCTION CASING FROM 5-1/2" 17.00# N-80 LTC TO 5-1/2" 17.00# J-55 LTC Date: September 24, 2012	HANGE SURFACE .00# J-55 STC CH				
By: Dod K Quit					
NAME (PLEASE PRINT) PHONE NUMBER TITLE Cindy Turner 720 746-5209 Project Manager					
SIGNATURE DATE 9/18/2012	_				

Sundry Number: 30010 API Well Number: 43047527330000

Well name:

43047527330000 Three Rivers 36-23-720rev

Operator:

Axia Energy LLC

String type:

Surface

Design is based on evacuated pipe.

Project ID:

43-047-52733

Location:

Collapse

UINTAH COUNTY

Minimum design factors:

Design factor

Collapse:

Environment:

H2S considered? Surface temperature: No 74 °F

Bottom hole temperature: Temperature gradient:

87 °F

1.40 °F/100ft

1.125

Minimum section length:

100 ft

Burst:

Design factor

1.00

1.80 (J)

1.70 (J)

1.60 (J)

1.50 (J)

1.50 (B)

Cement top:

231 ft

Burst

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

Design parameters:

Mud weight:

814 psi

8.700 ppg

0.120 psi/ft 925 psi

Tension:

8 Round STC:

8 Round LTC: **Buttress:**

Premium:

Body yield:

Tension is based on air weight. Neutral point: 804 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight:

9.200 ppg 4,307 psi 19.250 ppg

9,011 ft

Fracture mud wt: Fracture depth: Injection pressure:

Next setting BHP:

925 ft 925 psi

Run	Segment		Nominal		End	True Vert	Measured	Drift	Est.
Seq	Length	Size	Weight	Grade	Finish	Depth	Depth	Diameter	Cost
	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(\$)
1	925	8.625	24.00	J-55	ST&C	925	925	7.972	4762
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
•	(psi)	(psi)	Factor	∠(psi)	(psi)	Factor	(kips)	(kips)	Factor
1		1370	3.277 /	925	2950	3.19	^ 22.2	244	10.99 J

Prepared

by:

Helen Sadik-Macdonald

Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: September 24,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 925 ft, a mud weight of 8.7 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Sundry Number: 30010 API Well Number: 43047527330000

Well name:

43047527330000 Three Rivers 36-23-720rev

Operator:

Axia Energy LLC

String type:

Production

Design parameters:

Project ID:

43-047-52733

Location:

UINTAH COUNTY

> **Environment:** Minimum design factors:

> > 1.80 (J)

1.80 (J)

Collapse

Mud weight: 9.200 ppg

Design is based on evacuated pipe.

Collapse: Design factor 1.125 H2S considered?

Νo Surface temperature: 74 °F

Bottom hole temperature: 200 °F 1.40 °F/100ft Temperature gradient: Minimum section length: 100 ft

Design factor 1.00 Cement top:

3,906 ft

1000 ft

Burst

Max anticipated surface

No backup mud specified.

Calculated BHP

2,324 psi pressure: Internal gradient:

0.220 psi/ft

4,307 psi

Tension:

8 Round STC:

Burst:

8 Round LTC: Buttress:

Premium: Body yield:

1.60 (J) 1.50 (J)

1.60 (B)

Maximum dogleg:

Kick-off point

Directional well information:

Departure at shoe: 563 ft 2 °/100ft 0 ° Inclination at shoe:

Tension is based on buoyed weight. 7,816 ft Neutral point:

Run Seq	Segment Length	Size	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	(ft) 9073	(in) 5.5	17.00	J-55	LT&C	9012	9073	4.767	35151
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load (psi)	Strength (psi)	Design Factor	Load (psi)	Strength (psi)	Design Factor	Load (kips)	Strength (kips)	Design Factor
1	4307	4910	1.140	4307	5320	1.24	131.8	247	1.87 J ~

Prepared

Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: September 24,2012 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9012 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Sundry Number: 30045 API Well Number: 43047527330000

	FORM 9		
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: THREE RIVERS 36-23-720		
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	nver, CO, 80202 720 7	PHONE NUMBER: 46-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Merio	dian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
10/10/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
_	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
DEPTH CHANGE	completed operations. Clearly show a second	TVD TO 7,500' TMD /	lepths, volumes, etc. Approved by the Utah Division of Oil, Gas and Mining
			Date: September 25, 2012
			By: Dod K Quit
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMB 720 746-5209	ER TITLE Project Manager	
SIGNATURE N/A		DATE 9/18/2012	

Sundry Number: 30231 API Well Number: 43047527330000

	STATE OF UTAH					
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510			
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 36-23-720			
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000			
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	nver, CO, 80202 720	PHONE NUMBER: 746-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Me	eridian: S	STATE: UTAH			
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
✓ SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of Spud: 9/24/2012	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
0,21,2012	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
,	WILDCAT WELL DETERMINATION	OTHER	OTHER:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Move in, rig up Pete Martin Drilling. Spud well 09:30 am on 09-24-12. Set 70' Conductor casing and cement to surface. RD Pete Martin Drilling. CURRENT ACTIVITY: Wait on Rig to drill and set surface casing. FOR RECORD ONLY September 26, 2012						
NAME (PLEASE PRINT) Cindy Turner	PHONE NUM 720 746-5209	BER TITLE Project Manager				
SIGNATURE N/A		DATE 9/26/2012				

Sundry Number: 30230 API Well Number: 43047527330000

	STATE OF UTAH		FORM 9
1	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	G	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
SUNDR	RY NOTICES AND REPORTS ON	I WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: THREE RIVERS 36-23-720		
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Dei		ONE NUMBER: -5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWNW Section:	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Meridiar	n: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show all p 24/12. Notified Carol Daniels	_	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Notice Intent to Spud Depths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 04, 2012
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMBER 720 746-5209	TITLE Project Manager	
SIGNATURE N/A	,20,140,0200	DATE 9/26/2012	

Carol Daniels - AXIA ENERGY (Patterson rig 51) Production casing & cement

From:

oracio sanchez <obsanchez@aiollc.com>

To:

<caroldaniels@utah.gov>, <danjarvis@utah.gov>, <richardpowell@utah.gov>,...

Date:

10/10/2012 10:22 PM

Subject: AXIA ENERGY (Patterson rig 51) Production casing & cement

TO15 RJOE 5-36

Hello

Axia Energy well Three Rivers 32-41-720, API # 43-047-52876 reached TD @ 7330 ft.on 10-9-2012 @ 20:30 hrs. Will run 5.5 Production Casing Thursday 10-11-2012 and Cement, late Thursday and early Friday 10-12-2012. Rig Down, Friday and rig up Saturday 10-13-2012, On the Three Rivers 36-23-720 API # 43-047-52733. Test BOP and Equipment 10-14-2012. If we can assist you please contact OB Sanchez. Regards

OB Sanchez

President of Operations | AIO LLC Email | obsanchez@aiollc.com Cell One | 575-202-3191 Cell Two | 575-202-5775 Fax 484-842-9307

> RECEIVED OCT 1 1 2012

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

Carol Daniels - production casing and cementing

From: oracio sanchez obsanchez@aiollc.com>

To: <caroldaniels@utah.gov>, <danjarvis@utah.gov>, <richardpowell@utah.gov>,...

Date: 10/22/2012 6:52 PM

Subject: production casing and cementing

TO75 RZOES-36

Hello

Axia Energy well Three Rivers 32-23-720 API #3-047-52733 reached TD @ 7376 on 10/21/2012 @ 14:30 PM. Will run casing on 10/23/2012 and Cement Late Tuesday. Rig Down and move 10/24/2012 and rig up10/25/2012 on the Three Rivers 2-15-820

API # 3-047-52689. Test BOP & Equipment 10/26/2012. If we can assist you please contact OB Sanchez.

Regards

OB Sanchez

President of Operations | AIO LLC Email | obsanchez@aiollc.com Cell One | 575-202-3191 Cell Two | 575-202-5775 Fax 484-842-9307

OCT 2 3 2012

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

	ENTITY ACTION FORM							
Operator:	Axia Energy, LLC		Operator Account Number:	N 3765				
Address:	1430 Larimer Street, Suite 400		oporato, 7 toodant regimpor.					
	city Denver,							
	state CO z	ip 80202	Phone Number:	(720) 746-5209				

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304752733	Three Rivers 36-23-7	20	SWNW	36	078	20E	Uintah
Action Code	Current Entity Number	New Entity Number		oud Dat			ty Assignment fective Date
Α	nous	18769		/24/201		101	31 12012

Well 2

API Number	Well	Name	QQ	Sec	Twp	Rng	 ○ County
4304752689	Three Rivers 2-15-82	20	swsw	2	08S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	, s	pud Da	te		tity Assignment Iffective Date
Α	new	16770	7	10/5/201	2	101	3112012

APD APPROVED AS WASATCH - SUBMITTED APP TO COMINGLE GREEN RIVER-WASATCH

NEED ENTITY NUMBER FOR CR-WS

10/31/2012

Date

Well 3

API Number	Well Name	QQ	Séc	Twp:	Rng	County
4304752737	Three Rivers 32-35-720	SESW	32	07S	20E	Uintah
Action Code	Current Entity New Entity Number Number	s. s	pud Dal	ė		tity Assignment Effective Date
A		8	3/28/201	2		8/28/2012

PREVIOUSLY REQUESTED ENTITY NUMBER FOR GR-WS. DID NOT PERFORATE INTO WASATCH. SUBMITTED SUNDRY FOR GR COMPLETION ONLY - NEED GRRV ENTITY NUMBER

Cindy Turner

Signature

Title

Name (Please Print)

Project Manager

ACTION CODES:

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

•					,	-		_
		-	-	_			_	_
	-	E	_				_	
	1		•	_	• •		_	
	_					,	4	_
		_	-	Tion of the last	, ,	,	-	_

OCT 3 1 2012

Sundry Number: 30948 API Well Number: 43047527330000

			1
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDF	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 36-23-720
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, De	nver, CO, 80202 720 7	PHONE NUMBER: 46-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Merio	dian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
10/12/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:			
	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	L TEMPORARY ABANDON
_	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show a		
	espectfully requests a chang	• .	Approved by the Utah Division of
-	om a directional to the drillin BHL will be: Section 36-T7S-F	•	O'll Command Minimum
The new proposed L	FNL	(20L, 770) WL & 2,040	Date: November 28, 2012
			Date: November 20, 2012
			By: Joh K Junt
			S. 100
NAME (PLEASE PRINT)	PHONE NUMBI	ER TITLE	
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE N/A		DATE 10/10/2012	

Sundry Number: 30948 API Well Number: 43047527330000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047527330000

Work done before appproval. Current well location made the Three Rivers 36-13-720(API 4304752699)an illegal BHL. Per discussions and attached email, Axia will submit a sundry notice to change this BHL to a legal offset distance. That APD (API 4304752699)cannot be drilled to the originally permitted BHL.

RECEIVED: Nov. 28, 2012



Dustin Doucet< dustindoucet@utah.gov>

Axia Well # #36-13-720, Uintah County, UT 3 messages

Tab McGinley< tmcginley@axiaenergy.com>
To: "Dustin Doucet (dustindoucet@utah.gov)" <dustindoucet@utah.gov>

Tue, Nov 20, 2012 at 4:17 PM

Dustin-

Thanks for the call. As mentioned, we want to keep the APD for the subject well.

We are proposing to change the BHL of the #36-13-720 to: 1,910' FNL, 660' FWL. By our calcs, this would maintain an inter-well distance of 952'.

If OK with you, how do I accomplish this? By letter or sundry?

Thanks for your help.

Tab McGinley, VP Land Axia Energy, LLC 720.746.5210 Direct 720.371.6473 Cell 720.746.5201 Fax

Email tmcginley@axiaenergy.com



Dustin Doucet< dustindoucet@utah.gov>

To: Tab McGinley <tmcginley@axiaenergy.com>

Cc: Diana Mason <dianawhitney@utah.gov>, Brad Hill <bradhill@utah.gov>

Tue, Nov 20, 2012 at 5:16 PM

Tab,

Submit a sundry requesting the change in BHL and include the new plat, dx survey and driling plan. Thanks.

Dustin

[Quoted text hidden]

Dustin K. Doucet Petroleum Engineer Division of Oil, Gas and Mining 1594 West North Temple, Ste 1210 Salt Lake City, Utah 84116 801.538.5281 (ofc) 801.359.3940 (fax)

web: www.ogm.utah.gov

Tab McGinley< tmcginley@axiaenergy.com>
To: Dustin Doucet <dustindoucet@utah.gov>

Tue, Nov 20, 2012 at 5:18 PM

Thanks.

Tab McGinley 720.746.5210 Direct 720.371.6473 Cell

---- Reply message ----

From: "Dustin Doucet" <dustindoucet@utah.gov>
To: "Tab McGinley" <tmcginley@axiaenergy.com>

Cc: "Diana Mason" <dianawhitney@utah.gov>, "Brad Hill" <bradhill@utah.gov>

Subject: Axia Well # #36-13-720, Uintah County, UT

Date: Tue, Nov 20, 2012 5:16 pm

Tab,

Submit a sundry requesting the change in BHL and include the new plat, dx survey and driling plan. Thanks.

Dustin

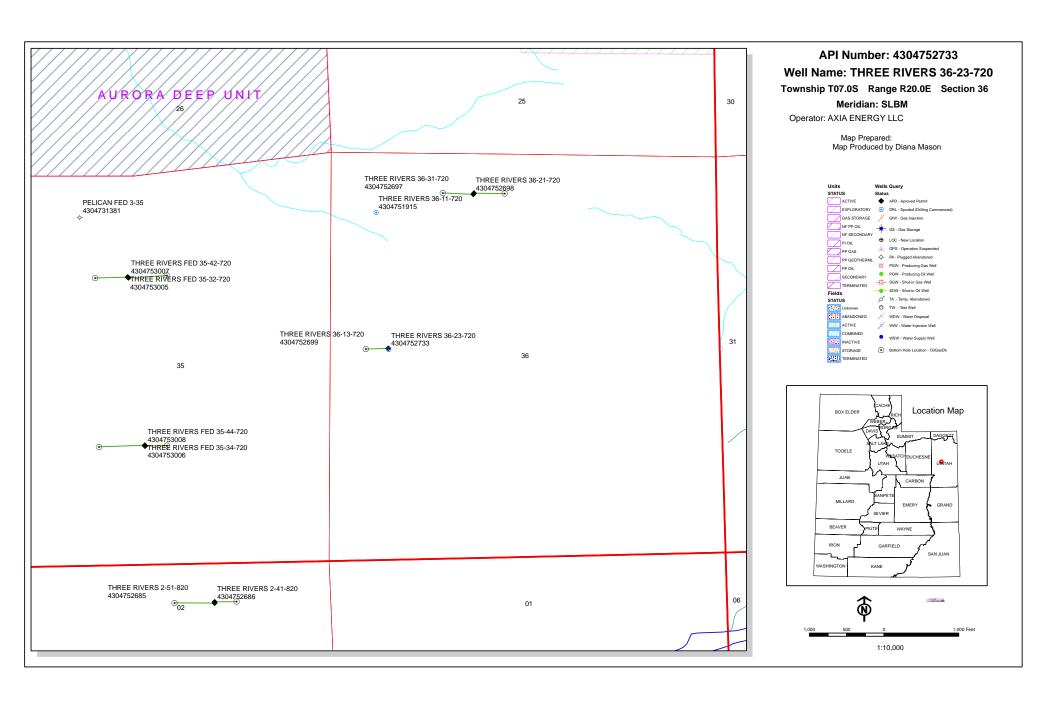
On Tue, Nov 20, 2012 at 4:17 PM, Tab McGinley <tmcginley@axiaenergy.com> wrote:

Dustin-

Thanks for the call. As mentioned, we want to keep the APD for the subject well.

We are proposing to change the BHL of the #36-13-720to: 1,910' FNL, 660' FWL. By our calcs, this would maintain an inter-well distance of 952'.

Sundry Number: 30948 API Well Number: 43047527330000



Sundry Number: 30948 API Well Number: 43047527330000



October 31, 2012

Mr. Dustin Doucet Utah Division of Oil, Gas & Mining 1594 West North Temple Salt Lake City, Utah 84116

RE:

Request for Exception Location

Three Rivers 36-23-720 (API # 43047527330000) SWNW Sec 36-T7S-R20E Uintah County, UT

Mr. Doucet:

We recently drilled the captioned well. Prior to drilling this well we submitted a new proposed BHL on a Form 9 Sundry. We received correspondence from your office that we would need an Exception Letter.

Axia Energy, LLC is the sole owner of 100% of the leasehold rights within 460' around the wellbore of the captioned well. In addition, the fee mineral ownership is also consistent.

We determined there was no reason to drill a directional well, therefore we submitted a Change in Plans requesting approval to drill a vertical well with a new BHL of Section 36-T7S-R20E, 770' FWL & 2,640' FNL.

We appreciate your granting Axia's exception location request.

Thank you in advance for your consideration. Please feel free to contact me at 720-746-5210 if you have any questions or comments.

Sincerely, AXIA ENERGY, LLC

Tab McGinley

Vice President of Land-

Sundry Number: 36689 API Well Number: 43047527330000

	STATE OF UTAH			FORM 9
[DEPARTMENT OF NATURAL RESOL DIVISION OF OIL, GAS, AND I		i	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
SUNDR	Y NOTICES AND REPORT	rs on	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form	posals to drill new wells, significan reenter plugged wells, or to drill hon n for such proposals.	ntly deep rizontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: THREE RIVERS 36-23-720
2. NAME OF OPERATOR: AXIA ENERGY LLC				9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der	nver, CO, 80202 72		NE NUMBER: 200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E N	Meridian:	S	STATE: UTAH
11. CHECK	K APPROPRIATE BOXES TO INDI	CATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		LTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		HANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		OMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	P	LUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ R	ECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□s	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	□v	ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	□s	I TA STATUS EXTENSION	APD EXTENSION
4/12/2013	WILDCAT WELL DETERMINATION		THED	OTHER:
44 DECORUPE PROPOSED OR			disease later later later later later	<u>'</u>
	COMPLETED OPERATIONS. Clearly sh IS: Wait on completion - op continue May, 2013	peratio		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 15, 2013
NAME (DI FASE DDINT\	DHONE NII	IMREP	TITLE	
NAME (PLEASE PRINT) Cindy Turner	PHONE NU 720 746-5209	NRFK	TITLE Project Manager	
SIGNATURE N/A			DATE 4/12/2013	

Sundry Number: 41928 API Well Number: 43047527330000

			T
	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
SUNDF	RY NOTICES AND REPORTS C	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly d reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 36-23-720
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, De		PHONE NUMBER: 16-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Meridi	an: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	₹T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN [FRACTURE TREAT	☐ NEW CONSTRUCTION
5/10/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date.		STA STATUS EXTENSION	AFD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Axia Energy, LLC r WASATCH formation completed the GREE permission to comm However, there was River formation. E	COMPLETED OPERATIONS. Clearly show all received APD approval on 08-n. However, there was a change. RIVER formation. Bottom Phingle the Wasatch and the Gachange in plans and we onless and Perf:6,959'. Top of Wastion Number 18769 to reflect	29-12 to complete the ge in plans and we only erf: previously received reen River Formations. In completed the Green satch: 6,964. Please a GRRV completion.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 04, 2013
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE N/A		DATE 9/3/2013	

Sundry Number: 39709 API Well Number: 43047527330000

	STATE OF UTAH	-	FORM 9					
ı	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510					
SUNDR	Y NOTICES AND REPORTS O	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
	posals to drill new wells, significantly de reenter plugged wells, or to drill horizonta n for such proposals.		7.UNIT or CA AGREEMENT NAME:					
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 36-23-720					
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000					
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der		PHONE NUMBER: 6-5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH					
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 36 Township: 07.0S Range: 20.0E Meridian: S UTAH								
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION						
	ACIDIZE	ALTER CASING	CASING REPAIR					
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME					
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE					
✓ SUBSEQUENT REPORT								
Date of Work Completion: 7/4/2013	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION					
	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK					
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION					
24.0 0. 0044.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON					
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL					
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION					
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: Pipeline gas into pipeline					
40 DECODINE PROPOSED OR								
In an effort to m National Wildlife Re associated gas production equipminimize the gas flater within allowable. The SITLA min ML-49318. They sha	inimize gas flaring and venting fuge, Axia Energy, LLC requeduced from oil production into tween wells with common minoment and well facilities. With aring/venting within the Refuge limits of flaring/venting per teral leases that are affected a fare the same mineral owner (Sonot be used off leases.	ng within the Ouray sts permission to tie in a completed pipeline eral ownership, to run approval, this will ge (although the wells UDOGM regulations.) are ML-50510 and SITLA) and the gas will	Approved by the Utah Division of Oil, Gas and Mining Date: October 07, 2013 By: Date Out					
NAME (PLEASE PRINT) Cindy Turner	PHONE NUMBER 720 746-5209	R TITLE Project Manager						
SIGNATURE N/A		DATE 7/3/2013						



Dustin Doucet< dustindoucet@utah.gov>

RE: FW: Utah Sundries - Produce and Use Gas 1 message

Jess Peonio< jpeonio@axiaenergy.com>

Wed, Aug 28, 2013 at 2:39 PM

To: Dustin Doucet <dustindoucet@utah.gov>

Cc: Taryn Frenzel <tfrenzel@axiaenergy.com>, Rick Satre <rsatre@axiaenergy.com>, Cindy Turner <cturner@axiaenergy.com>

Dustin:

To address Randy and your questions:

Currently, Axia Energy is not selling the gas, but rather flaring at well sites. To minimize the flaring, Axia proposes to utilize as much of the gas as possible with "use".

To address the gas measurement question:

Axia does meter and record individual gas from the wells. Usage is estimated based on manufacturer specs for use. The remainder is flared at a smokeless flare/combustor site. All leases in question produce more than the usage number, therefore there is no royalties to be paid at the current time as the leases state that royalties are to be paid if gas is used off lease.

Once QEP has tied into Axia's internal infrastructure, we will continue to measure individual well locations via meter, and also meter the inlet and outlet of our compression into QEP. Production will be allocated to the wells based on the well meters and royalties paid accordingly.

I hope this addresses your questions. Let me know if further clarification is necessary.

Thanks.

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

From: Gxwlq#Grxfhwfp dbr=gxwlqgrxfhwC xwdk1jry'#

Sent: Wkxuvqd | #Dxjxvx#55/#5346#k=73#DP

To: Mhvv#Shrqlr

Subject: Izg#IZ # Wordk # Wxqgulhv # Surgxfh # dqg # Wvh # dv

Jess.

Not sure if I ever sent these questions our auditor had about your sundries you submitted on July 3rd or not. I went on vacation that day and I think I may have dropped the ball on getting these questions to you. Anyway we need to address these questions and then depending on the answers update the sundries. Probably the main issue is are these wells being metered separately before going into the common line and if not how is allocation done back to the each well. Also are there different royalty owners etc. in the two leases? See Randy's questions below and let me know. Thanks.

Dustin

----- Forwarded message ------

From: Randy Thackeray <randythackeray@utah.gov>

Date: Tue, Jul 2, 2013 at 6:58 AM

Subject: Re: FW: Utah Sundries - Produce and Use Gas

To: Dustin Doucet <dustindoucet@utah.gov>

If the gas is used across all well sites, how is the gas measured for production, used, transported,flared, etc? Is an estimated volume used for each well? Is there an allocation method used in reporting? Do they have a schematic of the system, tie-in points, sales points, flare points, etc.? A main concern is how they know how much each well site is using and if we should require a method similar to Newfield's for correct volume of gas transported off site.

On Mon, Jul 1, 2013 at 2:46 PM, Dustin Doucet <dustindoucet@utah.gov> wrote:

Any issue with this? We discussed this last week I think. Take a look and let me know what you think.

----- Forwarded message ------

From: Jess Peonio < jpeonio@axiaenergy.com>

Date: Mon, Jul 1, 2013 at 12:45 PM

Subject: FW: Utah Sundries - Produce and Use Gas

To: "Dustin Doucet (dustindoucet@utah.gov)" <dustindoucet@utah.gov>

Cc: Cindy Turner <cturner@axiaenergy.com>

Dustin:

Please take a look at the attached. Is this what you were looking for concerning tying in wells with the same mineral owner and utilizing that gas on lease?

The second page will have which wells are affected and list them and their API #'s.

Just want to make sure this is what you were requesting prior to submitting electronically.

Thanks,

Jess

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

From: Flgg | #Wxuqhu#

Sent: Z hgqhvgd | #Wkqh#59/#5346#; =89#DP

To: Mhvv#Shrqlr Cc: Eu|fh#Kroghu

Subject: Xwdk#/xqgulhv#0Surgxfh#dqg#Xvh#Jdv

Importance: Kljk

Jess, If this looks ok, we will send to the State Today.

Anyway, let me know. Do I need to send a copy of the sundries to Lavonne Garrison @ SITLA.

Thanks,

Cindy Turner

AXIA ENERGY, LLC

1430 Larimer Street

Suite 400

Denver, CO 80202

Phone: 720-746-5209

Cell: 303-328-8613

cturner@axiaenergy.com

From: Mhvv#Shrqlr#

Sent: Wxhvgd | #Mxqh#58/#5346#7=49#SP

To: Eu|fh#Kroghu#Flqg|#Wxuqhu

Subject: Xwdk#Vxqgu

Need to submit a sundry to the State of Utah with the following fields:

- 1. Oil Well
 - 4. NA
 - 5. ML-50510 & ML-49318
 - 8. See below
 - See below
 - 11. Other see below
 - 12. Axia Energy, LLC, in an effort to minimize gas flaring and venting within the Ouray National Wildlife Refuge, requests permission to tie in associated gas produced from oil production on the below wells into a completed pipeline and utilize the gas between wells to run production equipment and well facilities. With approval, this will minimize gas flaring/venting within the Refuge (although the wells are within allowable limits of flaring/venting per UDOGM regulations). The SITLA mineral leases that are affected are ML-50510 & ML-49318, share the same mineral owner (SITLA) and the gas will not be utilized off lease.

Three Rivers #36-31-720 (API #....)
Three Rivers #36-11-720 (API #....)
Three Rivers #36-23-720 (API #....)
Three Rivers #2-51-820 (API #....)
Three Rivers #2-33-820 (API #....)
Three Rivers #2-11-820 (API #....)
Three Rivers #2-13-820 (API #....)
Three Rivers #2-23-820 (API #....)
Three Rivers #2-23-820 (API #....)

Bryce – add the API #'s above for each well.

Please send to me for review prior to sending to the State.

Thanks.

Jess A. Peonio

Sr. Drilling Engineer/Regulatory Manager

Axia Energy

1430 Larimer, Suite #400; Denver, CO 80202

O: 720-746-5212; C: 303-349-6026

F: 720-746-5201; jpeonio@axiaenergy.com

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Dustin K. Doucet

Petroleum Engineer

Division of Oil, Gas and Mining

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1594 West North Temple, Ste 1210
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Salt Lake City, Utah 84116

801.538.5281 (ofc)

801.359.3940 (fax)

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Dustin K. Doucet

Petroleum Engineer

Division of Oil, Gas and Mining

1594 West North Temple, Ste 1210

Salt Lake City, Utah 84116

801.538.5281 (ofc)

801.359.3940 (fax)

web: www.ogm.utah.gov

Sundry Number: 39709 API Well Number: 43047527330000

Attachment to Sundry for Ouray Refuge LEASES ML-50510 & ML-49318

WELL NAME	API NUMBER
Three Rivers 36-31-720	430475269700
Three Rivers 36-11-720	430475191500
Three Rivers 36-23-720	430475273300
Three Rivers 02-51-820	430475268500
Three Rivers 02-33-820	430475327300
Three Rivers 02-11-820	430475193600
Three Rivers 02-13-820	430475268700
Three Rivers 02-23-820	430475268800
Three Rivers 02-15-820	430475268900

Sundry Number: 42497 API Well Number: 43047527330000

			FORM 9
	STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES		
ı	DIVISION OF OIL, GAS, AND MININ	G	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510
SUNDR	RY NOTICES AND REPORTS ON	I WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: THREE RIVERS 36-23-720
2. NAME OF OPERATOR: AXIA ENERGY LLC			9. API NUMBER: 43047527330000
3. ADDRESS OF OPERATOR: 1430 Larimer Ste 400, Der		ONE NUMBER: -5200 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E Meridiar	n: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
10/1/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	L DEEPEN L	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	L PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: Central Tank Facility
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all p	ertinent details including dates	· · · · · · · · · · · · · · · · · · ·
I .	ANK FACILITY: Three Rivers CT		Approved by the
	ed for Proposal and Allocation		Utah Division of
	·	J	Oil, Gas and Mining
			Date: October 08, 2013
			$\bigcap_{i \in I} A_i \cap A_i$
			By: 187 K Junt
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Cindy Turner	720 746-5209	Project Manager	
SIGNATURE		DATE	
N/A		9/11/2013	

Sundry Number: 42497 API Well Number: 43047527330000

AXIA THREE RIVERS CENTRAL TANK FACILITY

Axia Energy, LLC submits the following documentation as follow-up to verbal and email approval to commingle certain wells with common interests per attached diagram.

Allocation Proposal:

Each well that comes on will be set-up and plumbed individually with (2) 500 bbl oil tanks and (1) 500 bbl water tank for each producing well.

When production on a well basis exceeds current individual well storage, production would be gauged and an internal run ticket would be generated. The oil would then be shipped to the centralized tank facilities per attached allocation diagram.

Oil Sales from Centralized Storage Facility would be allocated back to the applicable well on a first infirst out basis and quantity would be based on the run ticket generated when the oil is sold to oil purchaser.

Proposed centralized storage facilities are set up by State or Federal lease number, or in the case of Fee wells, by common interest.

Reporting Requirements:

- When oil is transferred to the central tank battery from a well location, the volume will appear on Form 11 (Monthly Disposition Report) as transported volume for the applicable entity location.
- A Form 12 (Transfer of Oil) for the volume going to the CTB will be prepared with any applicable internal run tickets attached.

EFFECTIVE DATE: October 1, 2013

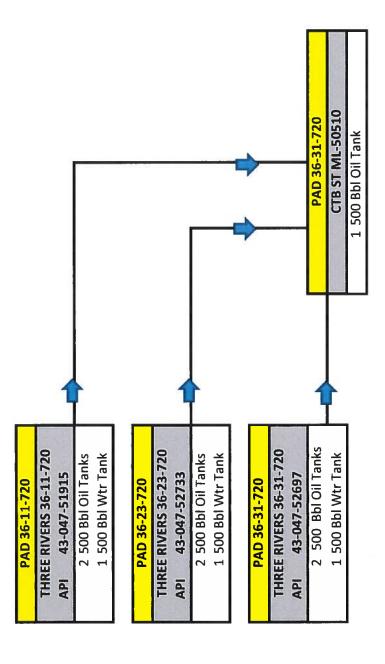
Sundry Number: 42497 API Well Number: 43047527330000

NAME: THREE RIVERS CTB ST ML-50510

THREE RIVERS WELLS IN SECTION 36 OF TWNSHP 7S-RNG 20E THAT CAN FLOW TO CENTRAL TANK BATTERY **DESC:**

BASED ON COMMON INTEREST/LEASE NO

LEASE: STATE LEASE ML-50510



When well tanks get full and we are unable to sell, we would move the oil to the central facility for storage/sales using an internal run ticket.
Sales from the Central Tank Battery would be allocated back to the wells on a first in - first out basis.

(5/2013)

				STA RTMENT ON OF		TURAL	RESO						(hig	NDED hlight c ase des 1L-505	hanges	3)	F(ORM 8 BER:
WEL	L COI	MPLE	TION	OR R	EÇO	MPL	ETIC	N RE	EPOR	T ANI	LOG		6. IF	INDIAN, A	ALLOTTE	E OR TR	IBE NAME	
1a. TYPE OF WELL			OIL V	GA WI	s C]	DRY		OTHE	R	_		7. UN	NT or CA	AGREEN	IENT NA	ME	
b. TYPE OF WORK													10000	ELL NAM				
	HORIZ.		PEEP-] RE	TRY]	DIFF. RESVR.		OTHE	R				HRE		ERS :	36-23-72	20
2. NAME OF OPERA Axia Energ).												3047		ı		
3. ADDRESS OF OF		te 400	сіту Де	nver		STATE	СО	zie 502	202	75.000000000000000000000000000000000000	NUMBER:	200		VILDO		R WILDO	AT	
4. LOCATION OF W AT SURFACE:	ELL (FOO	TAGES)			V L								1077000000				SHIP, RANG	
AT TOP PRODU	CING INTE	RVAL REP	ORTED BEI	.ow: NV	vsw	2730	'FSL	& 824'	FWL									
AT TOTAL DEPT														OUNTY NITAI	1		13. STATE	UTAH
14. DATE SPUDDES 9/24/2012	D:		T.D. REAC	HED: 1	6. DATE	COMPL /2013		,	ABANDONE		READY TO E	RODUCE					9, RT, GL): 46' KB	
18. TOTAL DEPTH:	MD 7	100000000000000000000000000000000000000		19. PLUG B	Barbara Santa				20. IF M	ULTIPLE C	OMPLETIONS	i, HOW M	ANY? *	21. DEP	TH BRIDG	SE MI)	
	7 סעד	V-11-				_	7,294			r				r L	JG 3L1.	TV	0	
SD-DSN-AC				GS RUN (St	ibmit cop	y of each	n)			WAS DST	L CORED? RUN? ONAL SURVE	7	NO	7 Y	ES C	(Sut	imit analysis) imit report) imit copy)	
24. CASING AND L	NER REC	ORD (Repo	rt all string:	s set in well)			-								****		
HOLE SIZE	SIZE/	GRADE	WEIGHT	(#/ft.)	TOP (I	MD)	вотто	M (MD)		EMENTER PTH	CEMENT T NO. OF SA		SLUR VOLUME		CEMEN	IT TOP *	* AMOUN	T PULLED
20	16				0			0			G	95	9:		,	0		
12-1/4	8/58	J-55	24		0			83		5.011	G	675	13			CIR 1 CBL	-	
7-3/4	5-1/2	J-55	17	/	0		/,	347			G	425	1.7	0	150	CDL		7
				_						-							_	
25. TUBING RECO	RD		116.8															
SIZE		H SET (MD) PACK	ER SET (M	D)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)		SIZE	D	EPTH SE	T (MD)	PACKER	SET (MD)
2-7/8	-	1.491	1	-					T	27 05050	RATION REC	nen					J	
26. PRODUCING IN			P (MD)	BOTTON	MMD)	TOP	(TVD)	Гвотто	M (TVD)		AL (Top/Bot - I		SIZE	NO. HOL	ES	PERFO	RATION STA	ATUS
(A) Green Riv		_	.160	6.9		-				5,335		959	.35	228	Орг	en 🗸	Squeezed	
(B)	VO1	 	,,,,,,,	0,0				\vdash		-1					Оре		Squeezed	Ħ
(C)	-	+		 		-						-	- 1/2		Ope	늗	Squeezed	Ħ
(D)		1	150								1				Оре	一一	Squaezed	Ħ
28. ACID, FRACTU	RE. TREAT	MENT. CE	MENT SQU	EEZE, ETC.														
WAS WELL H	100			YES	NO NO		IF YES	DATE	FRACTURE	D: 5/13	/2013	- N.						
DEPTH	NTERVAL		1				54/c		AMO	UNT AND T	YPE OF MAT	ERIAL						
5,335' to 6,9	959'		Gre	en Rive	er Hyb	rid Fı	rac - 3	2,001	bbls slu	urry, 1,2	286,146	gal flu	id & 1	,008,9	00# 2	0/40		
0,000 10 4,1			-	mium V														
	770																	
29. ENCLOSED AT	TACHMEN	ITS:			2											30. WE	LL STATUS:	
		CHANICAL		CEMENT Y	/ERIFICA	TION		GEOLOG	IC REPORT	ш	DST REPOR	VI WARRING	DIRECTE DIA	TIONAL S	URVEY		PRO	D

(CONTINUED ON BACK)

DATE FIRST PR 5/28/2013		TEST DATE: 7/21/2013	3	HOURS TEST	ED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 135	GAS - MCF: 33	WATER - BBL: 85	PROD. METHOD: Pumping
CHOKE SIZE: 48	TBG. PRESS.	CSG. PRESS.	API GRAVITY 31.00	BTU - GAS	GAS/OIL RATIO 244	24 HR PRODUCTION RATES: →	OIL-BBL: 135	GAS – MCF: 33	WATER - BBL: 85	INTERVAL STATUS Open
				IN	TERVAL B (As show	vn in item #26)		-	- 10 maii	¥ = 20 l
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TEST	ED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL-BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
				IN IN	TERVAL C (As show	vn in item #26)				
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TEST		TEST PRODUCTION RATES: →	OIL — BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
				IN	TERVAL D (As show	vn in Item #26)	*			
DATE FIRST PR	ODUCED:	TEST DATE:		HOURS TEST	ED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	≀ OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
32. DISPOSITION	ON OF GAS (Sold,	Used for Fuel, V	ented, Etc.)					V. 1		
33. SUMMARY	OF POROUS ZON	ES (Include Aqui	lfers):		****	3	4. FORMATION	(Log) MARKERS:		3-
		ig and shut-in pre	ssures and recover		m tests, including de	pth interval tested,				Too
Formati	on		attom MD)	Descr	iptions, Cantents, etc	•		Name	(Top Measured Depth)
							Green Rive			3,160
							Garden G			5.150 6.799
						1	Uteland B	utte		6,964
							Wasatch			0,304
	ľ									
	A DELIABICO (I	ude plugging pro	ocedure)		·					
35. ADDITIONA	IL KEMARKS (INC									
35. ADDITIONA	IL KEMARKS (INC									
35. ADDITIONA	L REMARKS (INC									
		oling and attache	ed information is o	complete and co	rrect as determined	from all available rec	ords.	38-0)x		
36. I hereby ce	rtify that the foreg			complete and co	rrect as determined		ords.	NAGER		,
36. I hereby ce				complete and con	rract as determined	DDO	JECT MAI	NAGER		

This report must be submitted within 30 days of

- completing or plugging a new well
 drilling horizontal laterals from an existing well bore
- · recompleting to a different producing formation
- · reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
 drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801 Salt Lake City, Utah 84114-5801 Phone: 801-538-5340

Fax:

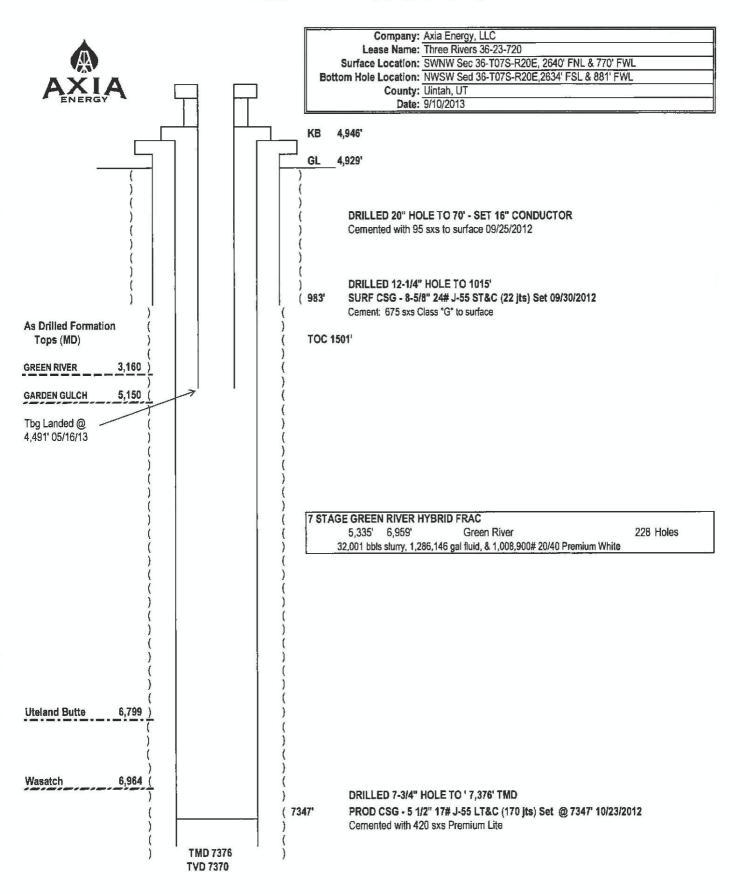
801-359-3940

(5/2013)

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

^{**} ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

WELLBORE DIAGRAM (after completion)

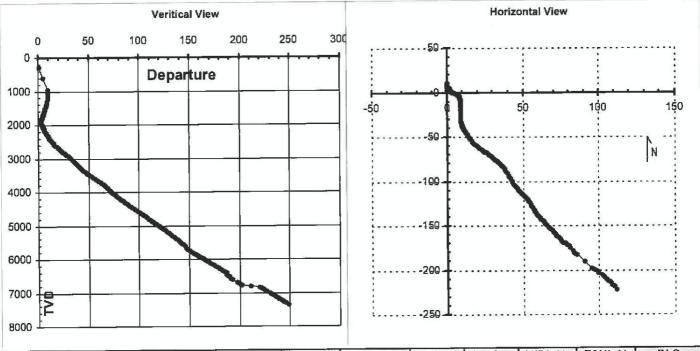




1430 Larimer St, #400 Denver, CO 80202 (720) 746-5200

Drilling Survey Report

		Well Name:Thr	ee Rivers 36-23-	720	
Field Name:	Wildcat	S/T/R:	36/07S/20E	County, State:	Uinta, UT
Operator:	Axia Energy, LLC	Location Desc:		District:	Utah



Sur No	Date	Tie In	Meas Dep	Inclination	Azimuth	Desired Az	TVD	Vert Sect	N/S(+/-)	E/W(+/-)	DLS
1	9/30/2012		300	0.50	0.00	0.00	300.00	1.31	1.31	0.00	0.17
2	9/30/2012	<u> </u>	600	0.70	0.00	0.00	599.98	4.45	4.45	0.00	0.07
3	9/30/2012		950	1.00	0.00	0.00	949.94	9.64	9.64	0.00	0.09
4	10/16/2012	H	1020	0.29	182.50	0.00	1019.94	10.07	10.07	-0.01	1.85
5	10/16/2012	Ē	1050	0.50	161.65	0.00	1049.94	9.87	9.87	0.03	0.82
6	10/16/2012		1080	0.07	120.20	0.00	1079.94	9.74	9.74	0.09	1.49
7	10/16/2012		1110	0.09	94.52	0.00	1109.94	9.73	9.73	0.13	0.13
8	10/16/2012	T T	1140	0.28	136.29	0.00	1139.94	9.67	9.67	0.20	0.75
9	10/16/2012		1170	0.13	192.57	0.00	1169.94	9.59	9.59	0.25	0.79
10	10/16/2012	- A	1200	0.22	185.30	0.00	1199.94	9.50	9.50	0.23	0.31
11	10/16/2012	H	1230	0.25	168.23	0.00	1229.94	9.37	9.37	0.24	0.25
12	10/16/2012	H	1260	0.36	183.45	0.00	1259.94	9.22	9.22	0.25	0.45
13	10/16/2012	H	1290	0.39	170.35	0.00	1289.93	9.02	9.02	0.26	0.30
14	10/16/2012	H	1320	0.31	193.59	0.00	1319.93	8.84	8.84	0.26	0.53
15	10/16/2012	H	1350	0.39	197.38	0.00	1349.93	8.67	8.67	0.21	0.28
16	10/16/2012	H	1380	0.49	204.46	0.00	1379.93	8.45	8.45	0.12	0.38
17	10/16/2012	Ħ	1410	0.68	187.27	0.00	1409.93	8.16	8.16	0.05	0.86
18	10/16/2012		1440	0.78	177.62	0.00	1439.93	7.78	7.78	0.03	0.51
19	10/16/2012		1470	0.73	163.99	0.00	1469.93	7.39	7.39	0.10	0.61
20	10/16/2012	П	1500	0.77	160.38	0.00	1499.92	7.02	7.02	0.22	0.21
21	10/16/2012	H	1530	0.80	151.83	0.00	1529.92	6.64	6.64	0.38	0.41
22	10/16/2012		1560	0.77	152.93	0.00	1559.92	6.28	6.28	0.58	0.12
23	10/16/2012	H	1590	0.86	146.89	0.00	1589.91	5.91	5.91	0.79	0.41
24	10/16/2012	H	1620	0.78	148.09	0.00	1619.91	5.54	5.54	1.02	0.28

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1430 Larimer St, #400 Denver, CO 80202 (720) 746-5200

Drilling Survey Report

2								,	yw		
25	10/16/2012		1650	0.77	150.45	0.00	1649.91	5.20	5.20	1.23	0.12
26	10/16/2012		1680	0.79	147.44	0.00	1679.91	4.85	4.85	1.44	0.16
27	10/16/2012		1710	0.76	154.04	0.00	1709.90	4.49	4.49	1.64	0.31
28	10/16/2012		1740	0.74	155.03	0.00	1739.90	4.14	4.14	1.81	0.09
29	10/16/2012		1770	0.95	160.63	0.00	1769.90	3.72	3.72	1.97	0.75
30	10/16/2012		1800	0.98	164.79	0.00	1799.89	3.24	3.24	2.12	0.26
31	10/16/2012		1830	0.97	170.98	0.00	1829.89	2.74	2.74	2.23	0.35
32	10/16/2012		1860	1.01	161.50	0.00	1859.88	2.24	2.24	2.35	0.56
33	10/16/2012		1890	0.99	161.78	0.00	1889.88	1.75	1.75	2.52	0.07
34	10/16/2012		1920	1.09	157.16	0.00	1919.88	1.24	1.24	2.71	0.43
35	10/16/2012		1950	1.10	146.70	0.00	1949.87	0.73	0.73	2.98	0.66
36	10/16/2012		1980	0.96	138.46	0.00	1979.86	0.31	0.31	3.30	0.67
37	10/16/2012		2010	1.00	128.59	0.00	2009.86	-0.05	-0.05	3.67	0.58
38	10/16/2012	Ħ	2040	0.94	121.94	0.00	2039.86	-0.34	-0.34	4.09	0.43
39	10/16/2012		2070	1.01	124.03	0.00	2069.85	-0.62	-0.62	4.52	0.28
40	10/16/2012	$\overline{\Box}$	2100	1.10	127.58	0.00	2099.85	-0.94	-0.94	4.97	0.36
41	10/16/2012		2130	1.20	129.01	0.00	2129.84	-1.32	-1.32	5.44	0.35
42	10/16/2012		2160	1.15	134.33	0.00	2159.83	-1.72	-1.72	5.90	0.39
43	10/16/2012	$\overline{\Box}$	2190	1.31	135.26	0.00	2189.83	-2.18	-2.18	6.36	0.51
44	10/16/2012	百	2220	1.50	141.25	0.00	2219.82	-2.73	-2.73	6.84	0.81
45	10/16/2012	Ī	2250	1.36	146.19	0.00	2249.81	-3.33	-3.33	7.29	0.62
46	10/16/2012	n	2280	1.63	149.24	0.00	2279.80	-3.99	-3.99	7.70	0.95
47	10/16/2012		2310	1.43	156.97	0.00	2309.79	-4.71	-4.71	8.07	0.96
48	10/16/2012	ī	2340	1.38	166.12	0.00	2339.78	-5.40	-5.40	8.30	0.77
49	10/16/2012	Ä	2370	1.52	169.83	0.00	2369.77	-6.15	-6.15	8.46	0.56
50	10/16/2012	Ħ	2400	1.54	168.68	0.00	2399.76	-6.93	-6.93	8.61	0.11
51	10/16/2012		2430	1.60	171.18	0.00	2429.75	-7.74	-7.74	8.75	0.30
52	10/16/2012	Ħ	2460	1.87	172.02	0.00	2459.73	-8.64	-8.64	8.88	0.92
53	10/16/2012		2490	2.07	174.42	0.00	2489.72	-9.66	-9.66	9.00	0.71
54	10/16/2012		2520	2.13	175.57	0.00	2519.70	-10.76	-10.76	9.10	0.25
55	10/16/2012		2550	2.16	177.14	0.00	2549.67	-11.88	-11.88	9.17	0.21
56	10/16/2012		2580	2.21	178.76	0.00	2579.65	-13.02	-13.02	9.21	0.27
57	10/16/2012		2610	2.24	178.65	0.00	2609.63	-14.18	-14.18	9.24	0.10
58	10/16/2012		2640	2.33	180.10	0.00	2639.61	-15.38	-15.38	9.25	0.38
59	10/16/2012		2670	2.35	180.22	0.00	2669.58	-16.60	-16.60	9.25	0.04
60	10/16/2012		2700	2.24	179.53	0.00	2699.56	-17.80	-17.80	9.25	0.35
61	10/16/2012		2730	2.32	179.40	0.00	2729.53	-19.00	-19.00	9.26	0.26
62	10/16/2012		2760	2.42	181.44	0.00	2759.51	-20.24	-20.24	9.25	0.44
63	10/16/2012		2790	2.43	178.98	0.00	2789.48	-21.51	-21.51	9.25	0.35
64	10/17/2012		2820	2.58	179.88	0.00	2819.45	-22.82	-22.82	9.26	0.52
65	10/17/2012		2850	2.61	179.40	0.00	2849.42	-24.18	-24.18	9.27	0.11
66	10/17/2012		2880	2.58	178.30	0.00	2879.39	-25.54	-25.54	9.30	0.19
67	10/17/2012		2910	2.53	179.16	0.00	2909.36	-26.88	-26.88	9.32	0.21
68	10/17/2012		2940	2.49	178.78	0.00	2939.33	-28.19	-28.19	9.35	0.14
69	10/17/2012		2970	2.62	179.00	0.00	2969.30	-29.53	-29.53	9.37	0.42
70	10/17/2012		3000	2.55	180.63	0.00	2999.27	-30.88	-30.88	9.38	0.33
71	10/17/2012		3030	2.10	178.04	0.00	3029.25	-32.10	-32.10	9.39	1.54
72	10/17/2012		3060	2.07	176.11	0.00	3059.23	-33.19	-33.19	9.45	0.27
73	10/17/2012		3090	2.03	175.34	0.00	3089.21	-34.25	-34.25	9.53	0.16
74	10/17/2012		3120	2.23	174.40	0.00	3119.19	-35.36	-35.36	9.63	0.70
75	10/17/2012		3150	1.95	169.67	0.00	3149.17	-36.45	-36.45	9.77	1.12
76	10/17/2012		3180	2.00	164.95	0.00	3179.15	-37.45	-37.45	10.00	0.57

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Drilling Survey Report

77 101712012												
	77	10/17/2012		3210	1.90							
80 101772012 3300 1.84 160.92 0.00 3299.08 44.37 44.	78	10/17/2012		3240	2.03		and the same of th					200.000
87 101772012	79	10/17/2012		3270	1.88	165.66	0.00	3269.10	-40.44			
1017/2012	80	10/17/2012		3300	1.84	160.92	0.00		-41.37	-41.37		
83 10/17/2012	81	10/17/2012		3330	1.93	159.74	0.00	3329.07	-42.30		11.34	0.31
84 10/17/2012	82	10/17/2012		3360	2.15	156.88	0.00	3359.05	-43.29	-43.29	11.74	0.83
85 10/17/2012	83	10/17/2012		3390	2.47	161.26	0.00	3389.02	-44.42	-44.42	12.17	1.22
86	84	10/17/2012		3420	2.58	160.69	0.00	3418.99	-45.67	-45.67	12.60	0.35
87	85	10/17/2012		3450	2.73	160.14	0.00	3448.96	-46.98	-46.98	13.06	0.53
88	86	10/17/2012		3480	2.80	159.56	0.00	3478.93	-48.34	-48.34	13.56	0.24
89 10/17/2012	87	10/17/2012		3510	2.77	157.68	0.00	3508.89	-49.70	-49.70	14.09	0.32
88	88	10/17/2012		3540	2.62	154.71	0.00	3538.86	-50.99	-50.99	14.66	0.68
10/17/2012	89			3570	2.64	153.86	0.00	3568.83	-52.23	-52.23	15.26	0.14
92 10/17/2012	90	10/17/2012	F	3600	2.53	153.52	0.00	3598.79	-53.44	-53.44	15.86	0.37
92 10/17/2012	91	10/17/2012		3630	2.66	153.96	0.00	3628.76	-54.66	-54.66	16.46	0.46
93	92		T I	3660	3.19	157.08	0.00	3658.72	-56.06	-56.06	17.09	1.83
94 10/17/2012						153.79	0.00	3688.68	-57.53	-57.53	17.76	0.85
95 10/17/2012			T I		2.79		0.00		-58.86	-58.86	18.48	1.03
96	95			3750	2.74	147.71	0.00	3748.61	-60.09	-60.09	19.23	0.32
98			F	3780	2.54	143.86	0.00	3778.58	-61.24	-61.24	20.01	0.88
98	97			3810	2.36	139.35	0.00	3808.55	-62.24	-62.24	20.80	0.87
99	98	<u> </u>	$\overline{\Box}$		2.32	137.12	0.00	3838.52	-63.16	-63.16	21.62	0.34
100	99			- AND THE RESERVE TO SERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	2.45	139.58	0.00	3868.50	-64.09	-64.09	22.45	0.55
101 10/17/2012			\exists			139.84	0.00	3898.47	-65.07	-65.07	23.27	0.04
102 10/17/2012 3960 2.45 141.23 0.00 3958.42 -67.04 -67.04 24.91 0.16 103 10/17/2012 3990 2.47 141.78 0.00 3988.39 -68.05 -68.05 25.71 0.10 104 10/17/2012 4020 2.47 142.43 0.00 4018.36 -69.07 -69.07 26.51 0.10 105 10/17/2012 4050 2.41 141.71 0.00 4048.33 -70.08 -70.08 27.29 0.23 106 10/17/2012 4080 2.37 142.52 0.00 4078.31 -71.07 -71.07 28.06 0.18 107 10/17/2012 4110 2.44 142.99 0.00 4108.28 72.07 -72.07 28.82 0.24 108 10/17/2012 4140 2.46 142.14 0.00 4138.25 -73.08 -73.08 29.60 0.14 109 10/17/2012 4170 2.41 142.97 0.00 4168.23 -74.10 -74.10 30.38 0.19 110 10/17/2012 4230 2.45 143.88 0.00 4228.17 -76.13 -75.10 31.14 0.07 111 10/17/2012 4260 2.49 144.67 0.00 4268.14 -77.18 32.66 0.18 113 10/17/2012 4290 2.43 146.44 0.00 4268.12 -78.24 -78.24 -79.32 34.10 0.20 115 10/17/2012 4360 2.49 147.15 0.00 438.09 -79.32 -79.32 34.10 0.20 115 10/17/2012 4360 2.47 147.45 0.00 438.09 -79.32 -79.32 34.10 0.20 116 10/17/2012 4360 2.47 147.45 0.00 438.09 -79.32 -79.32 34.10 0.20 117 10/17/2012 4360 2.47 157.55 0.00 448.06 -80.41 -80.41 34.80 0.07 118 10/17/2012 4440 2.74 155.50 0.00 448.06 -80.41 -80.41 34.80 0.07 119 10/17/2012 4440 2.74 155.50 0.00 448.09 -82.75 -82.75 36.06 1.54 119 10/17/2012 4590 2.62 156.54 0.00 448.79 -84.07 -84.07 36.70 0.46 119 10/17/2012 4590 2.62 156.54 0.00 457.87 -84.07 -84.07 36.70 0.46 119 10/17/2012 4590 2.62 156.54 0.00 457.87 -87.90 -89.90 39.37 0.19 124 10/17/2012 4590 3.00 161.36 0.00 457.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 4590 3.00 161.36 0.00 457.75 -93.55 -93.55 40.38								-	-66.05	-66.05	24.10	0.08
103			H				0.00	3958.42	-67.04	-67.04	24.91	0.16
104 10/17/2012						141.78	0.00	3988.39	-68.05	-68.05	25.71	0.10
105			Ħ	4020	2.47	142.43	0.00	4018.36	-69.07	-69.07	26.51	0.10
106				4050	2.41	141.71	0.00	4048.33	-70.08	-70.08	27.29	0.23
107 10/17/2012 □ 4110 2.44 142.99 0.00 4108.28 -72.07 -72.07 28.82 0.24 108 10/17/2012 □ 4140 2.46 142.14 0.00 4138.25 -73.08 29.60 0.14 109 10/17/2012 □ 4170 2.41 142.97 0.00 4168.23 -74.10 -74.10 30.38 0.19 110 10/17/2012 □ 4200 2.42 142.52 0.00 4198.20 -75.10 -75.10 31.14 0.07 111 10/17/2012 □ 4230 2.45 143.88 0.00 4228.17 -76.13 -75.10 31.14 0.07 112 10/17/2012 □ 4260 2.49 144.67 0.00 4268.14 -77.18 -77.18 32.66 0.18 113 10/17/2012 □ 4320 2.49 147.15 0.00 4318.09 -79.32 -79.32 34.10 0.20	106	10/17/2012		4080	2.37	142.52	0.00	4078.31	-71.07	-71.07	28.06	0.18
109	107			4110	2.44	142.99	0.00	4108.28	-72.07	-72.07	28.82	0.24
109	108			4140	2.46	142.14	0.00	4138.25	-73.08	-73.08	29.60	0.14
111 10/17/2012 4230 2.45 143.88 0.00 4228.17 -76.13 -76.13 31.91 0.21 112 10/17/2012 4260 2.49 144.67 0.00 4258.14 -77.18 -77.18 32.66 0.18 113 10/17/2012 4290 2.43 146.44 0.00 4288.12 -78.24 -78.24 33.39 0.33 114 10/17/2012 4320 2.49 147.15 0.00 4318.09 -79.32 -79.32 34.10 0.20 115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4470 2.64 <t< td=""><td>109</td><td>10/17/2012</td><td></td><td>4170</td><td>2.41</td><td>142.97</td><td>0.00</td><td>4168.23</td><td>-74.10</td><td>-74.10</td><td>30.38</td><td>0.19</td></t<>	109	10/17/2012		4170	2.41	142.97	0.00	4168.23	-74.10	-74.10	30.38	0.19
112 10/17/2012 4260 2.49 144.67 0.00 4258.14 -77.18 -77.18 32.66 0.18 113 10/17/2012 4290 2.43 146.44 0.00 4288.12 -78.24 -78.24 33.39 0.33 114 10/17/2012 4320 2.49 147.15 0.00 4318.09 -79.32 -79.32 34.10 0.20 115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4500 2.62 <t< td=""><td>110</td><td>10/17/2012</td><td></td><td>4200</td><td>2.42</td><td>142.52</td><td>0.00</td><td>4198.20</td><td>-75.10</td><td>-75.10</td><td>31.14</td><td>0.07</td></t<>	110	10/17/2012		4200	2.42	142.52	0.00	4198.20	-75.10	-75.10	31.14	0.07
112 10/17/2012 4260 2.49 144.67 0.00 4258.14 -77.18 -77.18 32.66 0.18 113 10/17/2012 4290 2.43 146.44 0.00 4288.12 -78.24 -78.24 33.39 0.33 114 10/17/2012 4320 2.49 147.15 0.00 4318.09 -79.32 -79.32 34.10 0.20 115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4500 2.62 <t< td=""><td>111</td><td>10/17/2012</td><td></td><td>4230</td><td>2.45</td><td>143.88</td><td>0.00</td><td>4228.17</td><td>-76.13</td><td>-76.13</td><td>31.91</td><td>0.21</td></t<>	111	10/17/2012		4230	2.45	143.88	0.00	4228.17	-76.13	-76.13	31.91	0.21
114 10/17/2012 4320 2.49 147.15 0.00 4318.09 -79.32 -79.32 34.10 0.20 115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4470 2.64 154.51 0.00 4467.93 -85.33 37.31 0.38 120 10/17/2012 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 4560 2.94 161.62 <t< td=""><td>112</td><td>10/17/2012</td><td></td><td>4260</td><td>2.49</td><td>144.67</td><td>0.00</td><td>4258.14</td><td>-77.18</td><td>-77.18</td><td>32.66</td><td>0.18</td></t<>	112	10/17/2012		4260	2.49	144.67	0.00	4258.14	-77.18	-77.18	32.66	0.18
115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4470 2.64 154.51 0.00 4467.93 -85.33 -85.33 37.31 0.38 120 10/17/2012 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 4560 2.94 161.62 0.00 4527.87 -87.90 -87.90 38.39 0.93 123 10/17/2012 4590 3.00 <t< td=""><td>113</td><td>10/17/2012</td><td></td><td>4290</td><td>2.43</td><td>146.44</td><td>0.00</td><td>4288.12</td><td>-78.24</td><td>-78.24</td><td>33.39</td><td>0.33</td></t<>	113	10/17/2012		4290	2.43	146.44	0.00	4288.12	-78.24	-78.24	33.39	0.33
115 10/17/2012 4350 2.47 147.45 0.00 4348.06 -80.41 -80.41 34.80 0.07 116 10/17/2012 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4470 2.64 154.51 0.00 4467.93 -85.33 -85.33 37.31 0.38 120 10/17/2012 4500 2.62 156.54 0.00 4497.90 -86.58 37.88 0.32 121 10/17/2012 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 4590 3.00 161.36 <t< td=""><td>114</td><td>10/17/2012</td><td></td><td>4320</td><td>2.49</td><td>147.15</td><td>0.00</td><td>4318.09</td><td>-79.32</td><td>-79.32</td><td>34.10</td><td>0.20</td></t<>	114	10/17/2012		4320	2.49	147.15	0.00	4318.09	-79.32	-79.32	34.10	0.20
116 10/17/2012 □ 4380 2.42 151.55 0.00 4378.03 -81.51 -81.51 35.45 0.60 117 10/17/2012 □ 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 □ 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 □ 4470 2.64 154.51 0.00 4467.93 -85.33 37.31 0.38 120 10/17/2012 □ 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 □ 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 □ 4560 2.94 161.62 0.00 4587.79 -90.80 -99.32 38.87 0.50		The state of the s				147.45	0.00	4348.06	-80.41	-80.41	34.80	0.07
117 10/17/2012 4410 2.85 155.21 0.00 4408.00 -82.75 -82.75 36.06 1.54 118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4470 2.64 154.51 0.00 4467.93 -85.33 -85.33 37.31 0.38 120 10/17/2012 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 4620 2.74 <t< td=""><td></td><td></td><td></td><td></td><td>2.42</td><td>151.55</td><td>0.00</td><td>4378.03</td><td>-81.51</td><td>-81.51</td><td>35.45</td><td>0.60</td></t<>					2.42	151.55	0.00	4378.03	-81.51	-81.51	35.45	0.60
118 10/17/2012 4440 2.74 153.50 0.00 4437.97 -84.07 -84.07 36.70 0.46 119 10/17/2012 4470 2.64 154.51 0.00 4467.93 -85.33 -85.33 37.31 0.38 120 10/17/2012 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 4650 2.74 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td>4408.00</td><td>-82.75</td><td>-82.75</td><td>36.06</td><td>1.54</td></t<>							0.00	4408.00	-82.75	-82.75	36.06	1.54
119 10/17/2012 □ 4470 2.64 154.51 0.00 4467.93 -85.33 37.31 0.38 120 10/17/2012 □ 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 □ 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 □ 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 □ 4590 3.00 161.36 0.00 4587.79 -90.80 -99.80 39.37 0.19 124 10/17/2012 □ 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 □ 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39				4440	2.74	153.50	0.00	4437.97	-84.07	-84.07	36.70	0.46
120 10/17/2012 □ 4500 2.62 156.54 0.00 4497.90 -86.58 -86.58 37.88 0.32 121 10/17/2012 □ 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 □ 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 □ 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 □ 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 □ 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39 126 10/17/2012 □ 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 <t< td=""><td></td><td></td><td></td><td>4470</td><td>2.64</td><td>154.51</td><td>0.00</td><td>4467.93</td><td>-85.33</td><td>-85.33</td><td>37.31</td><td>0.38</td></t<>				4470	2.64	154.51	0.00	4467.93	-85.33	-85.33	37.31	0.38
121 10/17/2012 4530 2.79 161.05 0.00 4527.87 -87.90 -87.90 38.39 0.93 122 10/17/2012 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39 126 10/17/2012 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 0.27 127 10/17/2012 4710 2.76 160.19 0.00 4707.65 -96.27 -96.27 41.44 0.32				4500	2.62	156.54	0.00	4497.90	-86.58	-86.58	37.88	0.32
122 10/17/2012 □ 4560 2.94 161.62 0.00 4557.83 -89.32 -89.32 38.87 0.50 123 10/17/2012 □ 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 □ 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 □ 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39 126 10/17/2012 □ 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 0.27 127 10/17/2012 □ 4710 2.76 160.19 0.00 4707.65 -96.27 -96.27 41.44 0.32				4530	2.79	161.05	0.00	4527.87	-87.90	-87.90	38.39	0.93
123 10/17/2012 □ 4590 3.00 161.36 0.00 4587.79 -90.80 -90.80 39.37 0.19 124 10/17/2012 □ 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 □ 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39 126 10/17/2012 □ 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 0.27 127 10/17/2012 □ 4710 2.76 160.19 0.00 4707.65 -96.27 -96.27 41.44 0.32		the same of the sa		4560	2.94	161.62	0.00	4557.83	-89.32	-89.32	38.87	0.50
124 10/17/2012 4620 2.74 160.03 0.00 4617.75 -92.22 -92.22 39.86 0.89 125 10/17/2012 4650 2.74 157.58 0.00 4647.72 -93.55 -93.55 40.38 0.39 126 10/17/2012 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 0.27 127 10/17/2012 4710 2.76 160.19 0.00 4707.65 -96.27 -96.27 41.44 0.32				4590	3.00	161.36	0.00	4587.79	-90.80	-90.80	39.37	0.19
126 10/17/2012 4680 2.81 158.49 0.00 4677.68 -94.90 -94.90 40.93 0.27 127 10/17/2012 4710 2.76 160.19 0.00 4707.65 -96.27 -96.27 41.44 0.32	124	10/17/2012		4620	2.74	160.03	0.00	4617.75	-92.22	-92.22	39.86	0.89
127 10/17/2012	125	10/17/2012		4650	2.74	157.58	0.00	4647.72	-93.55	-93.55	40.38	0.39
127 10/17/2012	126	10/17/2012		4680	2.81	158.49	0.00	4677.68	100000000000000000000000000000000000000	-94.90		
128 10/18/2012	127	10/17/2012		4710	2.76	160.19	0.00	4707.65	-96.27		41.44	0.32
	128	10/18/2012		4740	2.92	159.46	0.00	4737.61	-97.66	-97.66	41.95	0.53

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Drilling Survey Report

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129	10/18/2012	4770	2.98	161.32	0.00	4767.57	-99.12	-99.12	42.47	0.39
130	10/18/2012	4800	3.03	161.84	0.00	4797.53	-100.61	-100.61	42.97	0.17
131	10/18/2012	4830	2.99	159.25	0.00	4827.49	-102.09	-102.09	43.49	0.47
132	10/18/2012	4860	2.83	155.62	0.00	4857.45	-103.50	-103.50	44.07	0.80
133	10/18/2012	4890	2.82	153.14	0.00	4887.41	-104.83	-104.83	44.71	0.41
134	10/18/2012	4920	2.77	152.14	0.00	4917.38	-106.13	-106.13	45.39	0.25
135	10/18/2012	4950	2.81	153.15	0.00	4947.34	-107.43	-107.43	46.06	0.21
136	10/18/2012	4980	2.72	153.33	0.00	4977.31	-108.72	-108.72	46.71	0.29
137	10/18/2012	5010	2.77	153.74	0.00	5007.27	-110.01	-110.01	47.35	0.17
138	10/18/2012	5040	2.63	153.51	0.00	5037.24	-111.27	-111.27	47.98	0.47
139	10/18/2012	5070	2.68	154.06	0.00	5067.21	-112.52	-112.52	48.59	0.20
140	10/18/2012	5100	2.73	154.82	0.00	5097.17	-113.80	-113.80	49.20	0.21
141	10/18/2012	5130	2.65	153.79	0.00	5127.14	-115.07	-115.07	49.81	0.31
142	10/18/2012	5160	2.49	151.32	0.00	5157.11	-116.26	-116.26	50.43	0.67
143	10/18/2012	5190	2.43	152.67	0.00	5187.08	-117.40	-117.40	51.04	0.27
144	10/18/2012	5220	2.41	152.67	0.00	5217.06	-118.52	-118.52	51.62	0.07
145	10/18/2012	5250	2.41	153.21	0.00	5247.03	-119.64	-119.64	52.19	0.08
146	10/18/2012	5280	2.41	154.41	0.00	5277.00	-120.78	-120.78	52.75	0.17
147	10/18/2012	5310	2.39	154.62	0.00	5306.98	-121.91	-121.91	53.29	0.09
148	10/18/2012	5340	2.31	155.99	0.00	5336.95	-123.02	-123.02	53.80	0.32
149	10/18/2012	5370	2.37	156.30	0.00	5366.93	-124.14	-124.14	54.29	0.20
150	10/18/2012	5400	2.32	157.06	0.00	5396.90	-125.27	-125.27	54.78	0.19
151	10/19/2012	5430	2.26	159.79	0.00	5426.88	-126.38	-126.38	55.22	0.42
152	10/19/2012	5460	2.35	157.80	0.00	5456.85	-127.50	-127.50	55.66	0.40
153	10/19/2012	5490	2.03	160.83	0.00	5486.83	-128.58	-128.58	56.06	1,11
154	10/19/2012	5520	2.15	161.89	0.00	5516.81	-129.61	-129.61	56.41	0.42
155	10/19/2012	5550	2.41	162.27	0.00	5546.79	-130.75	-130.75	56.78	0.85
156	10/19/2012	5580	2.21	161.86	0.00	5576.76	-131.90	-131.90	57.15	0.66
157	10/19/2012	5610	2.11	159.74	0.00	5606.74	-132.97	-132.97	57.52	0.42
158	10/19/2012	5640	2.18	160.75	0.00	5636.72	-134.02	-134.02	57.90	0.24
159	10/19/2012	5670	2.08	157.18	0.00	5666.70	-135.06	-135.06	58.30	0.54
160	10/19/2012	5700	2.51	155.62	0.00	5696.68	-136.16	-136.16	58.78	1.43
161	10/19/2012	5730	2.72	154.68	0.00	5726.64	-137.40	-137.40	59.36	0.74
162	10/19/2012	5760	2.78	153.14	0.00	5756.61	-138.70	-138.70	59.99	0.30
163	10/19/2012	5790	3.03	153.21	0.00	5786.57	-140.05	-140.05	60.68	0.83
164	10/19/2012	5820	2.99	151.10	0.00	5816.53	-141.44	-141.44	61.41	0.39
165	10/19/2012	5850	3.17	154.75	0.00	5846.49	-142.88	-142.88	62.14	0.90
166	10/19/2012	5880	3.19	152.21	0.00	5876.44	-144.37	-144.37	62.89	0.47
167	10/19/2012	5910	3.28	152.52	0.00	5906.39	-145.86	-145.86	63.67	0.29
168	10/19/2012	5940	3.10	151.47	0.00	5936.35	-147.34	-147.34	64.45	0.62
169	10/19/2012	5970	3.10	151.38	0.00	5966.30	-148.76	-148.76	65.23	0.02
170	10/19/2012	6000	3.23	151.68	0.00	5996.26	-150.22	-150.22	66.02	0.41
171	10/19/2012	6030	3.10	150.41	0.00	6026.21	-151.67	-151.67	66.82	0.47
172	10/19/2012	6060	3.17	149.82	0.00	6056.17	-153.09	-153.09	67.64	0.23
173	10/19/2012	6090	3.10	149.38	0.00	6086.12	-154.51	-154.51	68.47	0.23
174	10/19/2012	6120	3.15	148.69	0.00	6116.08	-155.91	-155.91	69.31	0.22
175	10/19/2012	6150	3.17	148.14	0.00	6146.03	-157.32	-157.32	70.18	0.11
176	10/19/2012	6180	3.11	151.49	0.00	6175.99	-158.74	-158.74	71.00	0.64
177	10/19/2012	6210	3.09	152.21	0.00	6205.94	-160.17	-160.17	71.77	0.13
178	10/19/2012	6240	3.02	154.27	0.00	6235.90	-161.59	-161.59	72.49	0.45
179	10/19/2012	6270	3.09	155.95	0.00	6265.86	-163.04	-163.04	73.16	0.38
180	10/19/2012	6300	3.07	155.46	0.00	6295.81	-164.51	-164.51	73.82	0.10

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Drilling Survey Report

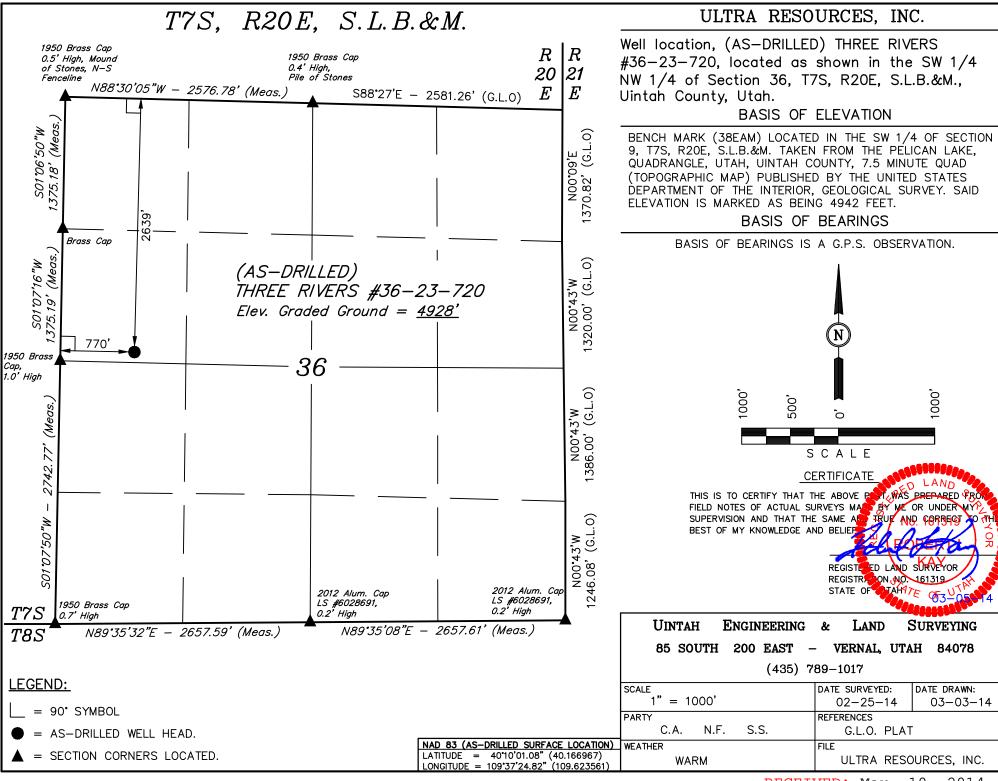
182 10/19/2012			 				r				
183 10/19/2012	181	10/19/2012	6330	2.87	152.82	0.00	6325.77	-165.91	-165.91	74.50	0.82
184 10/19/2012	182	10/19/2012	6360	2.69	142.92	0.00					1.71
185 10/19/2012 6450 2.88 14.82 0.00 6445.62 -169.73 -77.36 18.3 186 10/19/2012 6480 2.87 151.88 0.00 6475.58 -169.67 -169.67 77.91 17.8 187 10/20/2012 6510 2.54 143.00 0.00 6505.55 -172.06 -772.06 79.46 1.7 188 10/20/2012 6540 2.97 149.17 0.00 6535.52 -172.06 -79.46 1.7 189 10/20/2012 6600 3.16 151.92 0.00 6565.47 -173.43 -174.86 81.05 0.3 190 10/20/2012 6600 3.16 151.92 0.00 6595.43 -174.86 -174.86 81.05 0.3 191 10/20/2012 6720 3.02 153.20 0.00 6745.22 -181.83 84.71 0.5 192 10/20/2012 6750 2.91 151.08 0.00 6775.28	183	10/19/2012	6390	2.97	151.69	0.00		-168.39	-168.39		1.73
186	184	10/19/2012	6420	3.01	151.85	0.00	6415.66	-169.76		1-030001	0.12
187 10/20/2012	185	10/19/2012	6450	2.88	14.82	0.00	6445.62	-169.73	-169.73	77.36	18.25
188 10/20/2012 6540 2.97 149.17 0.00 6535.52 -172.06 -79.46 1.7 189 10/20/2012 6570 3.08 150.45 0.00 6565.47 -173.43 -173.43 80.26 0.4 190 10/20/2012 6600 3.16 151.92 0.00 6595.43 -174.86 -174.86 81.05 0.3 191 10/20/2012 6690 2.92 152.41 0.00 6685.30 -179.07 -179.07 83.27 0.2 192 10/20/2012 6720 3.02 153.20 0.00 6715.26 -180.45 -180.45 83.98 0.3 193 10/20/2012 6750 2.91 151.08 0.00 6775.22 -181.83 181.83 84.71 0.5 194 10/20/2012 6780 3.15 144.15 0.00 6775.22 -181.83 48.18.83 84.71 0.5 195 10/21/2012 6810 32.66 146.36	186	10/19/2012	6480	2.87	151.88	0.00	6475.58	-169.67	-169.67	10 20000000000	17.82
189 10/20/2012	187	10/20/2012	6510	2.54	143.00	0.00	6505.55	-170.86	-170.86	78.66	1.78
190 10/20/2012	188	10/20/2012	6540	2.97	149.17	0.00	6535.52	-172.06	-172.06	79.46	1.76
191 10/20/2012 6690 2.92 152.41 0.00 6685.30 -179.07 -179.07 83.27 0.2 192 10/20/2012 6720 3.02 153.20 0.00 6715.26 -180.45 -180.45 83.98 0.3 193 10/20/2012 6750 2.91 151.08 0.00 6745.22 -181.83 -181.83 84.71 0.5 194 10/20/2012 6780 3.15 144.15 0.00 6775.18 -183.16 -183.16 85.56 1.4 195 10/21/2012 6810 32.66 146.36 0.00 6803.73 -190.57 -190.57 90.52 98.3 196 10/21/2012 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.8 197 10/21/2012 6870 3.31 142.39 0.00 6862.21 -199.38 196.58 0.1 198 10/21/2012 6900 3.39 135.68	189	10/20/2012	6570	3.08	150.45	0.00	6565.47	-173.43	-173.43	80.26	0.42
192 10/20/2012 6720 3.02 153.20 0.00 6715.26 -180.45 -180.45 83.98 0.3 193 10/20/2012 6750 2.91 151.08 0.00 6745.22 -181.83 -181.83 84.71 0.5 194 10/20/2012 6780 3.15 144.15 0.00 6775.18 -183.16 -183.16 85.56 1.4 195 10/21/2012 6810 32.66 146.36 0.00 6803.73 -190.67 -190.57 90.52 98.3 196 10/21/2012 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.8 197 10/21/2012 6870 3.31 142.39 0.00 682.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 6960 3.71	190	10/20/2012	6600	3.16	151.92	0.00	6595.43	-174.86	-174.86	81.05	0.37
193 10/20/2012 6750 2.91 151.08 0.00 6745.22 -181.83 -181.83 84.71 0.5 194 10/20/2012 6780 3.15 144.15 0.00 6775.18 -183.16 -183.16 85.56 1.4 195 10/21/2012 6810 32.66 146.36 0.00 6803.73 -190.57 -190.57 90.52 98.3 196 10/21/2012 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.8 197 10/21/2012 6870 3.31 142.39 0.00 6862.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 6900 3.39 135.68 0.00 6892.16 -200.70 -201.97 98.89 1.0 200 10/21/2012 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 7020 2.97 <td>191</td> <td>10/20/2012</td> <td>6690</td> <td>2.92</td> <td>152.41</td> <td>0.00</td> <td>6685.30</td> <td>-179.07</td> <td>-179.07</td> <td>83.27</td> <td>0.27</td>	191	10/20/2012	6690	2.92	152.41	0.00	6685.30	-179.07	-179.07	83.27	0.27
194 10/20/2012 6780 3.15 144.15 0.00 6775.18 -183.16 -183.16 85.56 1.4 195 10/21/2012 6810 32.66 146.36 0.00 6803.73 -190.57 -190.57 90.52 98.3 196 10/21/2012 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.8 197 10/21/2012 6870 3.31 142.39 0.00 6862.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 6930 3.71 141.43 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 7020 2.97 145.01 0.00 7011.95 -206.15 100.03 1.8 201 10/21/2012 7050 3.01 144.55	192	10/20/2012	6720	3.02	153.20	0.00	6715.26	-180.45	-180.45	83.98	0.37
195 10/21/2012 6810 32.66 146.36 0.00 6903.73 -190.57 -190.57 90.52 98.3 196 10/21/2012 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.3 197 10/21/2012 6870 3.31 142.39 0.00 6862.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 6930 3.17 139.40 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 7020 2.97 145.01 0.00 7011.95 -206.15 102.13 1.2 202 10/21/2012 7080 2.94 147.27 <td>193</td> <td>10/20/2012</td> <td>6750</td> <td>2.91</td> <td>151.08</td> <td>0.00</td> <td>6745.22</td> <td>-181.83</td> <td>-181.83</td> <td>84.71</td> <td>0.52</td>	193	10/20/2012	6750	2.91	151.08	0.00	6745.22	-181.83	-181.83	84.71	0.52
196 10/21/2012 ☐ 6840 3.32 143.09 0.00 6832.26 -198.00 -198.00 95.53 97.3 197 10/21/2012 ☐ 6870 3.31 142.39 0.00 6862.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 ☐ 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 ☐ 6930 3.17 139.40 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 ☐ 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 ☐ 7020 2.97 145.01 0.00 7011.95 -206.15 -206.15 102.13 1.2 202 10/21/2012 ☐ 7050 3.01 144.55 0.00 7041.91 -207.43 103.04 0.1	194	10/20/2012	6780	3.15	144.15	0.00	6775.18	-183.16	-183.16	85.56	1.46
197 10/21/2012 ☐ 6870 3.31 142.39 0.00 6862.21 -199.38 -199.38 96.58 0.1 198 10/21/2012 ☐ 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 ☐ 6930 3.17 139.40 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 ☐ 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 ☐ 7020 2.97 145.01 0.00 7011.95 -206.15 -203.35 100.03 1.8 202 10/21/2012 ☐ 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 ☐ 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 <td>195</td> <td>10/21/2012</td> <td>6810</td> <td>32.66</td> <td>146.36</td> <td>0.00</td> <td>6803.73</td> <td>-190.57</td> <td>-190.57</td> <td>90.52</td> <td>98.39</td>	195	10/21/2012	6810	32.66	146.36	0.00	6803.73	-190.57	-190.57	90.52	98.39
198 10/21/2012 □ 6900 3.39 135.68 0.00 6892.16 -200.70 -200.70 97.73 1.3 199 10/21/2012 □ 6930 3.17 139.40 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 □ 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 □ 7020 2.97 145.01 0.00 7011.95 -206.15 -206.15 102.13 1.2 202 10/21/2012 □ 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 □ 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 □ 7140 3.04 147.55 0.00 7101.83 -210.05 -210.05 104.78 <td>196</td> <td>10/21/2012</td> <td>6840</td> <td>3.32</td> <td>143.09</td> <td>0.00</td> <td>6832.26</td> <td>-198.00</td> <td>-198.00</td> <td>95.53</td> <td>97.84</td>	196	10/21/2012	6840	3.32	143.09	0.00	6832.26	-198.00	-198.00	95.53	97.84
199 10/21/2012 □ 6930 3.17 139.40 0.00 6922.11 -201.97 -201.97 98.89 1.0 200 10/21/2012 □ 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 □ 7020 2.97 145.01 0.00 7011.95 -206.15 -206.15 102.13 1.2 202 10/21/2012 □ 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 □ 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 □ 7110 3.15 146.85 0.00 7101.83 -210.05 104.78 0.7 205 10/21/2012 □ 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3	197	10/21/2012	6870	3.31	142.39	0.00	6862.21	-199.38	-199.38	96.58	0.14
200 10/21/2012 6960 3.71 141.43 0.00 6952.06 -203.35 -203.35 100.03 1.8 201 10/21/2012 7020 2.97 145.01 0.00 7011.95 -206.15 -206.15 102.13 1.2 202 10/21/2012 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 7110 3.15 146.85 0.00 7101.83 -210.05 -210.05 104.78 0.7 205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7230 2.87 </td <td>198</td> <td>10/21/2012</td> <td>6900</td> <td>3.39</td> <td>135.68</td> <td>0.00</td> <td>6892.16</td> <td>-200.70</td> <td>-200.70</td> <td>97.73</td> <td>1.33</td>	198	10/21/2012	6900	3.39	135.68	0.00	6892.16	-200.70	-200.70	97.73	1.33
201 10/21/2012 7020 2.97 145.01 0.00 7011.95 -206.15 -206.15 102.13 1.2 202 10/21/2012 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 7110 3.15 146.85 0.00 7101.83 -210.05 -210.05 104.78 0.7 205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 </td <td>199</td> <td>10/21/2012</td> <td>6930</td> <td>3.17</td> <td>139.40</td> <td>0.00</td> <td>6922.11</td> <td>-201.97</td> <td>-201.97</td> <td>98.89</td> <td>1.04</td>	199	10/21/2012	6930	3.17	139.40	0.00	6922.11	-201.97	-201.97	98.89	1.04
202 10/21/2012 7050 3.01 144.55 0.00 7041.91 -207.43 -207.43 103.04 0.1 203 10/21/2012 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 7110 3.15 146.85 0.00 7101.83 -210.05 -210.05 104.78 0.7 205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 </td <td>200</td> <td>10/21/2012</td> <td>6960</td> <td>3.71</td> <td>141.43</td> <td>0.00</td> <td>6952.06</td> <td>-203.35</td> <td>-203.35</td> <td>100.03</td> <td>1.85</td>	200	10/21/2012	6960	3.71	141.43	0.00	6952.06	-203.35	-203.35	100.03	1.85
203 10/21/2012 7080 2.94 147.27 0.00 7071.87 -208.72 -208.72 103.91 0.5 204 10/21/2012 7110 3.15 146.85 0.00 7101.83 -210.05 -210.05 104.78 0.7 205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 </td <td>201</td> <td>10/21/2012</td> <td>7020</td> <td>2.97</td> <td>145.01</td> <td>0.00</td> <td>7011.95</td> <td>-206.15</td> <td>-206.15</td> <td>102.13</td> <td>1.27</td>	201	10/21/2012	7020	2.97	145.01	0.00	7011.95	-206.15	-206.15	102.13	1.27
204 10/21/2012 7110 3.15 146.85 0.00 7101.83 -210.05 -210.05 104.78 0.7 205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	202	10/21/2012	7050	3.01	144.55	0.00	7041.91	-207.43	-207.43	103.04	0.15
205 10/21/2012 7140 3.04 147.55 0.00 7131.79 -211.41 -211.41 105.66 0.3 206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	203	10/21/2012	7080	2.94	147.27	0.00	7071.87	-208.72	-208.72	103.91	0.53
206 10/22/2012 7170 3.04 147.24 0.00 7161.74 -212.75 -212.75 106.51 0.0 207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	204	10/21/2012	7110	3.15	146.85	0.00	7101.83	-210.05	-210.05	104.78	0.70
207 10/22/2012 7200 2.87 148.13 0.00 7191.70 -214.06 -214.06 107.34 0.5 208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	205	10/21/2012	7140	3.04	147.55	0.00	7131.79	-211.41	-211.41	105.66	0.39
208 10/22/2012 7230 2.95 148.34 0.00 7221.67 -215.35 -215.35 108.14 0.2 209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	206	10/22/2012	7170	3.04	147.24	0.00	7161.74	-212.75	-212.75	106.51	0.05
209 10/22/2012 7260 3.08 147.54 0.00 7251.62 -216.69 -216.69 108.98 0.4 210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	207	10/22/2012	7200	2.87	148.13	0.00	7191.70	-214.06	-214.06	107.34	0.59
210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	208	10/22/2012	7230	2.95	148.34	0.00	7221.67	-215.35	-215.35	108.14	0.26
210 10/22/2012 7290 3.08 146.21 0.00 7281.58 -218.04 -218.04 109.86 0.2	209	10/22/2012	7260	3.08	147.54	0.00	7251.62	-216.69	-216.69	108.98	0.49
		+	7290	3.08	146.21	0.00	7281.58	-218.04	-218.04	109.86	0.24
211 10/22/2012	211	10/22/2012	7320	3.08	149.23	0.00	7311.54	-219.40	-219.40	110.72	0.54
212 9/10/2013 7376 3.08 149.23 0.00 7367.46 -221.99 -221.99 112.26 0.0	212	9/10/2013	7376	3.08	149.23	0.00	7367.46	-221.99	-221.99	112.26	0.01

Sundry Number: 48653 API Well Number: 43047527330000

	STATE OF UTAH		FORM 9				
1	DEPARTMENT OF NATURAL RESO DIVISION OF OIL, GAS, AND		ì	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-50510			
SUNDR	RY NOTICES AND REPOR	TS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	oposals to drill new wells, significal reenter plugged wells, or to drill ho n for such proposals.		7.UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL Oil Well				8. WELL NAME and NUMBER: THREE RIVERS 36-23-720			
2. NAME OF OPERATOR: ULTRA RESOURCES INC			9. API NUMBER: 43047527330000				
3. ADDRESS OF OPERATOR: 304 Inverness Way South #	‡245 , Englewood, CO, 80112	PHO	NE NUMBER: 303 645-9810 Ext	9. FIELD and POOL or WILDCAT: THREE RIVERS			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2640 FNL 0770 FWL				COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 36 Township: 07.0S Range: 20.0E I	Meridian:	S	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDI	ICATE NA	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA			
TYPE OF SUBMISSION			TYPE OF ACTION				
	□ ACIDIZE ✓ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly shall to update the SHL per As	C		CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: DEPths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 11, 2014			
NAME (PLEASE PRINT)	PHONE NU	JMBER	TITLE				
Jenna Anderson SIGNATURE	303 645-9804		Permitting Assistant DATE				
N/A			3/10/2014				

RECEIVED: Mar. 10, 2014

Sundry Number: 48653 API Well Number: 43047527330000



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